OFFICIAL CATALOGUE

OF EXHIBITS

WORLD'S COLUMBIAN EXPOSITION

DEPARTMENTS H, L, & M.

Manufactures and Liberal Arts Building. Leather and Shoe Trades Building, and Anthropological Building.

PARTS VIII, XI, AND XII.

PRICE, 35 CENTS

1893.

W. B. CONKEY COMPANY, PUBLISHERS TO THE EXPOSITION.

CHICAGO.

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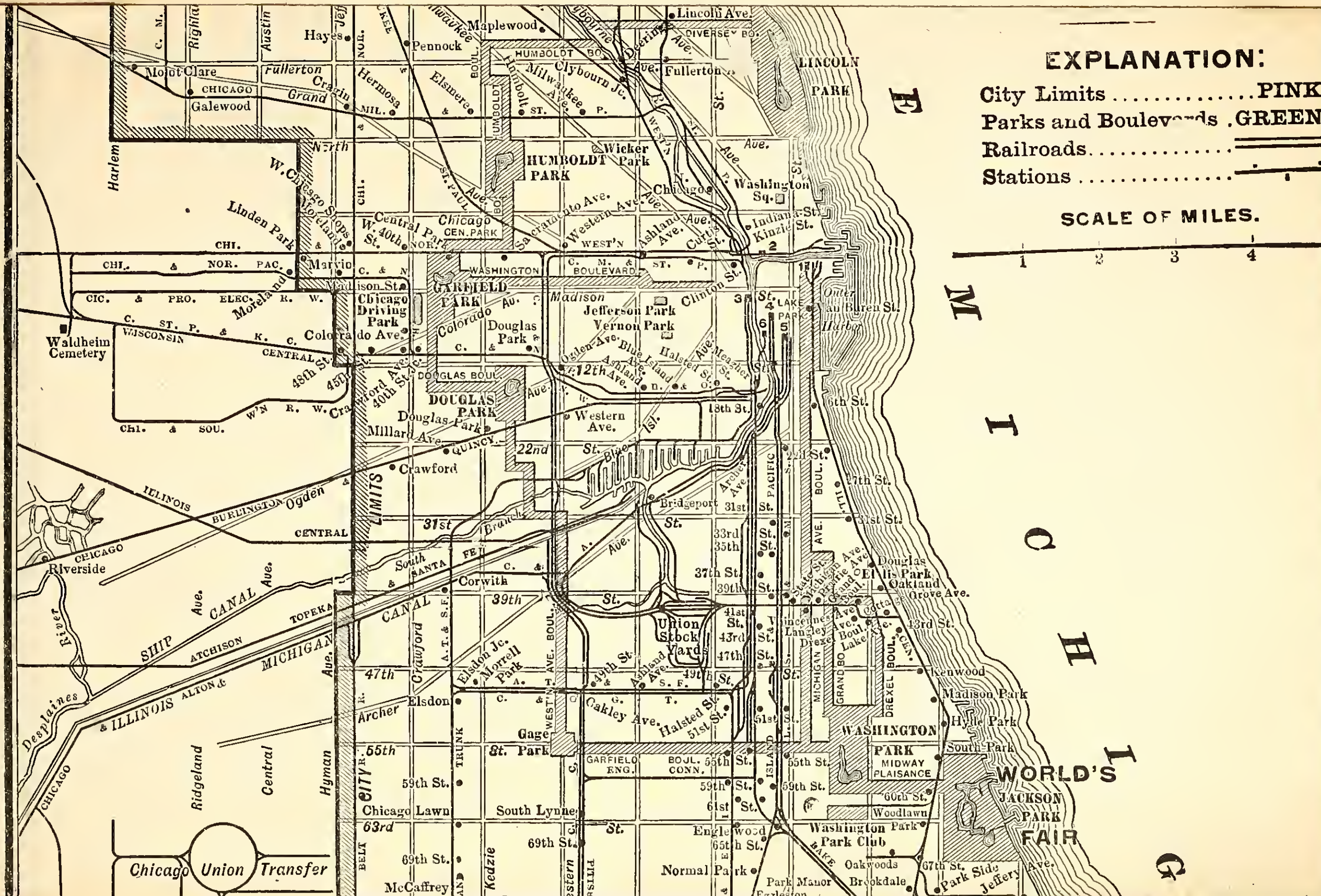
EXPLANATION:
City Limits ....PINK.
Parks and Boulevards .GREEN.
Railroads............
Stations ....
SCALE OF MILES.
1 2 3 4 5
L A K E M I C H I G A N
WORLD'S FAIR
JACKSON PARK
WASHINGTON PARK
MIDWAY PLAISANCE
LINCOLN PARK
HUMBOLDT PARK
GARFIELD PARK
DOUGLAS PARK
Jefferson Park
Vernon Park
Wicker Park
Washington Sq.
Union Stock Yards
Chicago Driving Park
Washington Park Club
Waldheim Cemetery
CITY LIMITS
SHIP CANAL
Chicago Union Transfer
Desplaines River
Riverside
Harlem
Austin
Hayes
Galewood
Mont Clare
Maplewood
Pennock
Hermosa
Cragin
Elsmere
Clybourn Jc.
Fullerton
Lincoln Ave.
Linden Park
Moreland
W. Chicago Shops
Central Park
Crawford
Corwith
Bridgeport
Elsdon
Gage Park
Chicago Lawn
South Lynne
Englewood
Normal Park
McCaffrey
Kenwood
Madison Park
Hyde Park
South Park
Oakwoods
Brookdale
Park Manor
Eggleston
Woodlawn
Oakland
Douglas
Ellis Park
Park Side
South Shore

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MAP
OF THE
City of Chicago.
EXPLANATION:
City Limits.....PINK.
Parks and Boulevards.GREEN.
Railroads.....
Stations.....
SCALE OF MILES.
1 2 3 4 5
LAKE MICHIGAN
WORLD'S FAIR
Chicago Union Transfer Railway Co.
CITY LIMITS
HUMBOLDT PARK
GARFIELD PARK
DOUGLAS PARK
LINCOLN PARK
WASHINGTON PARK
JACKSON PARK
LAKE CALUMET
Worth Sta.
Blue Island Sta.
Blue Island Jc.
Riverdale
Calumet
Little Calumet
Stony Creek
BENEDICT & CO., ENGRAVERS.

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2. Irish Industries Exhibit.
3. Workingman's Home.
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7. Libby Glass Works.
8. Venice & Murano Company.
9. Irish Village.
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13. Java Village.
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36. Captive Balloon.
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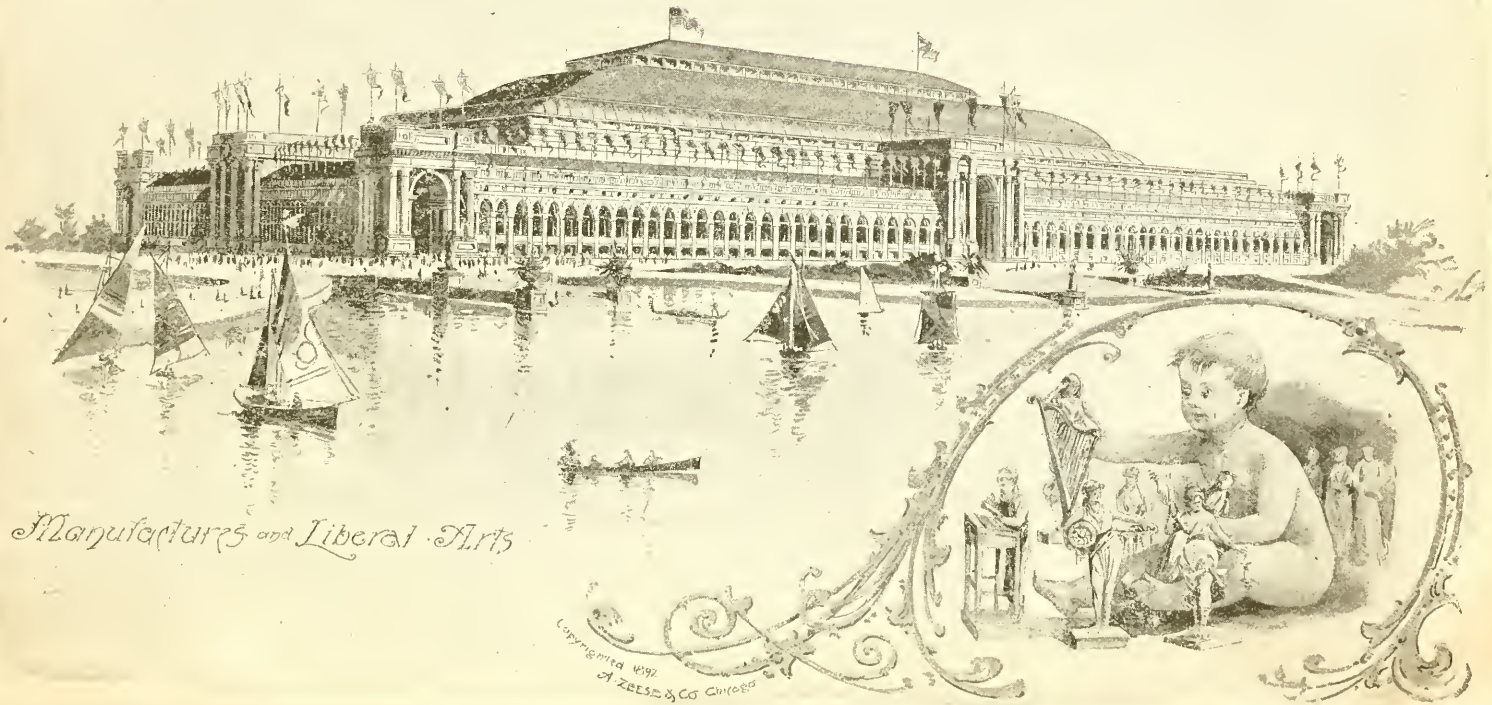
38. Brazil Concert Hall.
39. Lapland Village.
40. Cafe Chantant.
41. Hungarian Cafe and Pavilion.
42. Military Encampment.
43. Military Encampment.
GROUND PLANS
World's Columbian Exposition
SPECIALLY PREPARED FOR
W. B. CONKEY COMPANY'S PUBLICATIONS
1893
MIDWAY PLAISANCE
MANUFACTURES AND LIBERAL ARTS
MINES
ELECTRICITY
TRANSPORTATION
ANNEX
HORTICULTURE
WOMEN'S
FISHERIES
U.S. GOV'T
GALLERY OF FINE ARTS
ILLINOIS
MACHINERY
AGRICULTURE
ADMINISTRATION BUILDING
BASIN
TERMINAL R. R.
TERMINAL STATION
STOCK PAVILION
FORESTRY
North Pond
Lagoon
WOODED ISLAND
North Canal
South Pond
North Inlet
South Inlet
Water Gate
MOVABLE PIER SIDEWALK
LAKE MICHIGAN
ILLINOIS CENTRAL R. R.
LIVE STOCK EXHIBIT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World's Columbian Exposition

1893

OFFICIAL CATALOGUE

PART VIII.

Manufactures and Liberal Arts Building
Leather and Shoe Building

Department H. MANUFACTURES

JAMES ALLISON, Chief

Edited by

The Department of Publicity and Promotion

M. P. HANDY, Chief

CHICAGO:
W. B. CONKEY COMPANY, PUBLISHERS
TO THE
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1893.

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CHICAGO.

MANUFACTURES AND LIBERAL ARTS BUILDING.

DEPARTMENT OF MANUFACTURES.

Dimensions, 1,687 by 787 feet. Height of walls, 66 feet. Height of four center pavilions, 122 feet. Height of four corner pavilions, 97 feet. Height of roof over central hall, 237.6 feet. Height of roof-truss over central hall, 212.9 feet. Height clear, from the floor, 202.9 feet. Span of truss, 382 feet. Span in the clear, 354 feet. Width of truss at base, 14 feet; at hip, 32 feet; at apex, 10 feet. Weight of truss, 300,000 pounds; with purlines, 400,000 pounds. Ground area of building, 30.47 acres. Floor area, including galleries, 44 acres. Cost, $1,700,000. Material—17,000,000 feet of lumber; 12,000,000 pounds of steel in trusses of central hall; 2,000,000 pounds of iron in roof of nave. Architect, Geo. B. Post, of New York.

The building is rectangular in form, and the interior is divided into a great centra hall, 380 by 1,280 feet, which is surrounded by a nave 107 feet wide. Both hall and nave have a 50-foot gallery extending entirely around them.

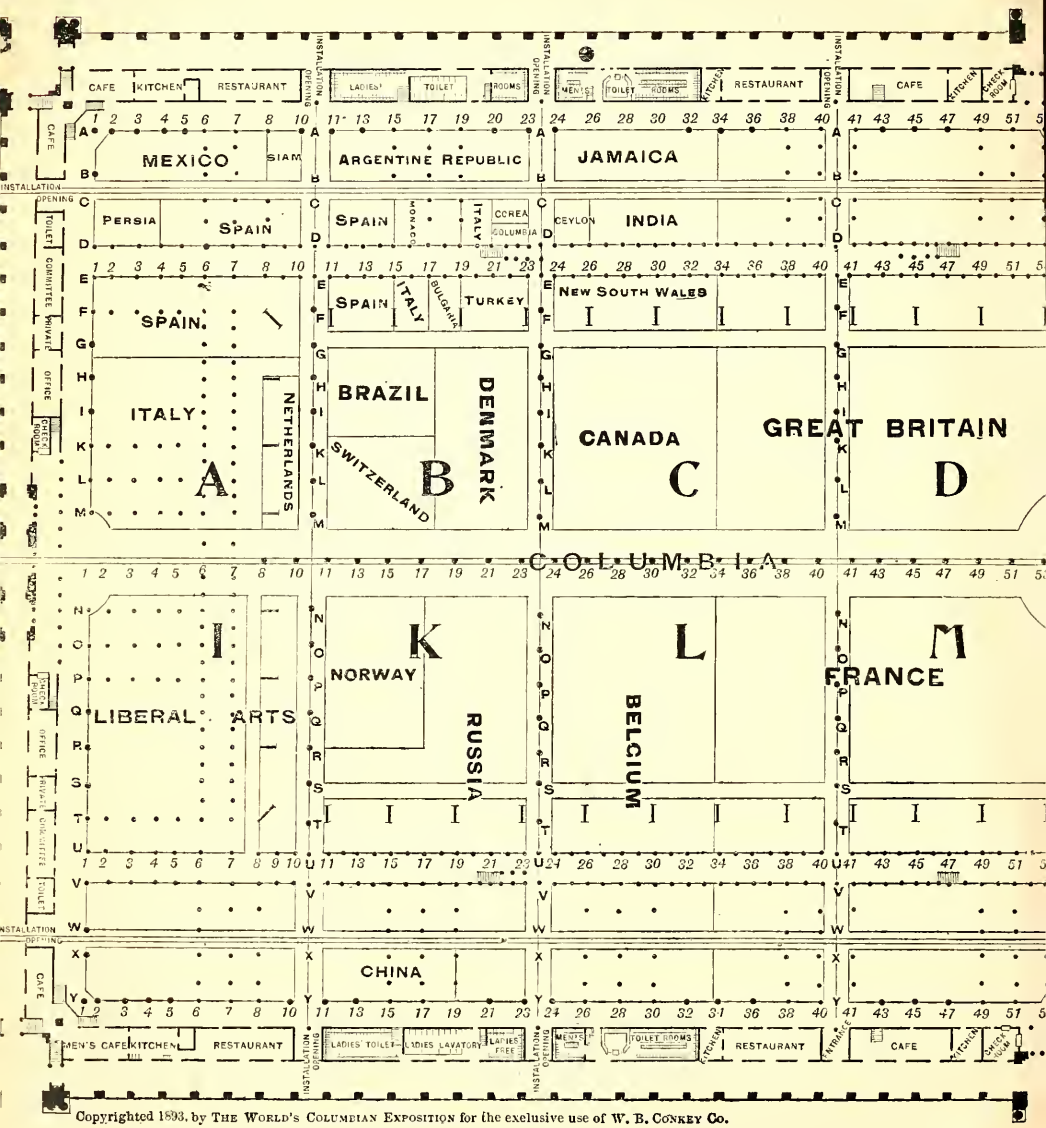
It is in the Corinthian style of architecture and in point of being severely classic excels most of the other large edifices. The long array of columns and arches which its facades present is relieved from monotony by the grand entrances, which are designed in the manner of triumphal arches, the central archway of each being 40 feet wide and 80 feet high. Surmounting these portals is the great attic story, ornamented with sculptured eagles 18 feet high, and on each side above the arches are great panels with inscriptions. The spandrels are filled with sculptured figures in bas-relief. At each corner of the main building are pavilions designed in harmony with the great portals.

The domes on either side of the main archways, eight in number, are magnificently decorated by leading American artists, the subjects being allegorical figures representing the arts and sciences. Extending all around the building is a spacious colonnade nearly a mile long, which looks out upon the lake or lagoon and forms a cool retreat for the tired sight-seers. The exterior of the building is covered with staff, which is treated to represent marble, and the columns and window arches are apparently of this material.

This building is the largest in the world, and is the largest under roof ever erected. Its unequaled size makes it one of the architectual wonders of the world. The central hall which is a single room without a supporting pillar under its roof, has in its floor a fraction less than eleven acres, and 75,000 persons can sit in this room, giving each one six square feet of space. By the same arrangement, the entire building will seat 300,000 people. It is theoretically possible to mobilize the standing army of Russia under its roof. The Auditorium is the most notable building in Chicago, but twenty such buildings could be placed on this floor. There are 11 acres of skylights and 40 carloads of glass in the roof. There are 22 main trusses in the roof of the central hall, and it required 600 flat cars to bring them from the iron works to Chicago. These trusses are twice the size of the next largest in existence, which are 90 feet high and span 250 feet. The latter are in the Pennsylvania railroad depot at Jersey City.

KEY TO INSTALLATION.

The Department of Manufactures occupies all of the ground floor of the building, except Section I, in the southeast corner, which is occupied by the Department of Liberal Arts. The Manufactures department also occupies gallery, Sections F and G. The main floor is divided into sixteen sections, lettered from A to Q, and each section is divided into four blocks, numbered from 1 to 4, except Sections A. I, H and Q, which have three blocks. By consulting the ground plan in this catalogue these floor divisions can be located. The exhibits in manufactures are installed by classified groups, collectively, and the location of each group is indicated under the group head in the catalogue. For example, all the exhibits of jewelry, embraced in Group 98, are installed in Section N, Block 1. All silk goods, classified as Group 100, are in Section O, Block 1. The location of the foreign countries is indicated under their entries in the catalogue.



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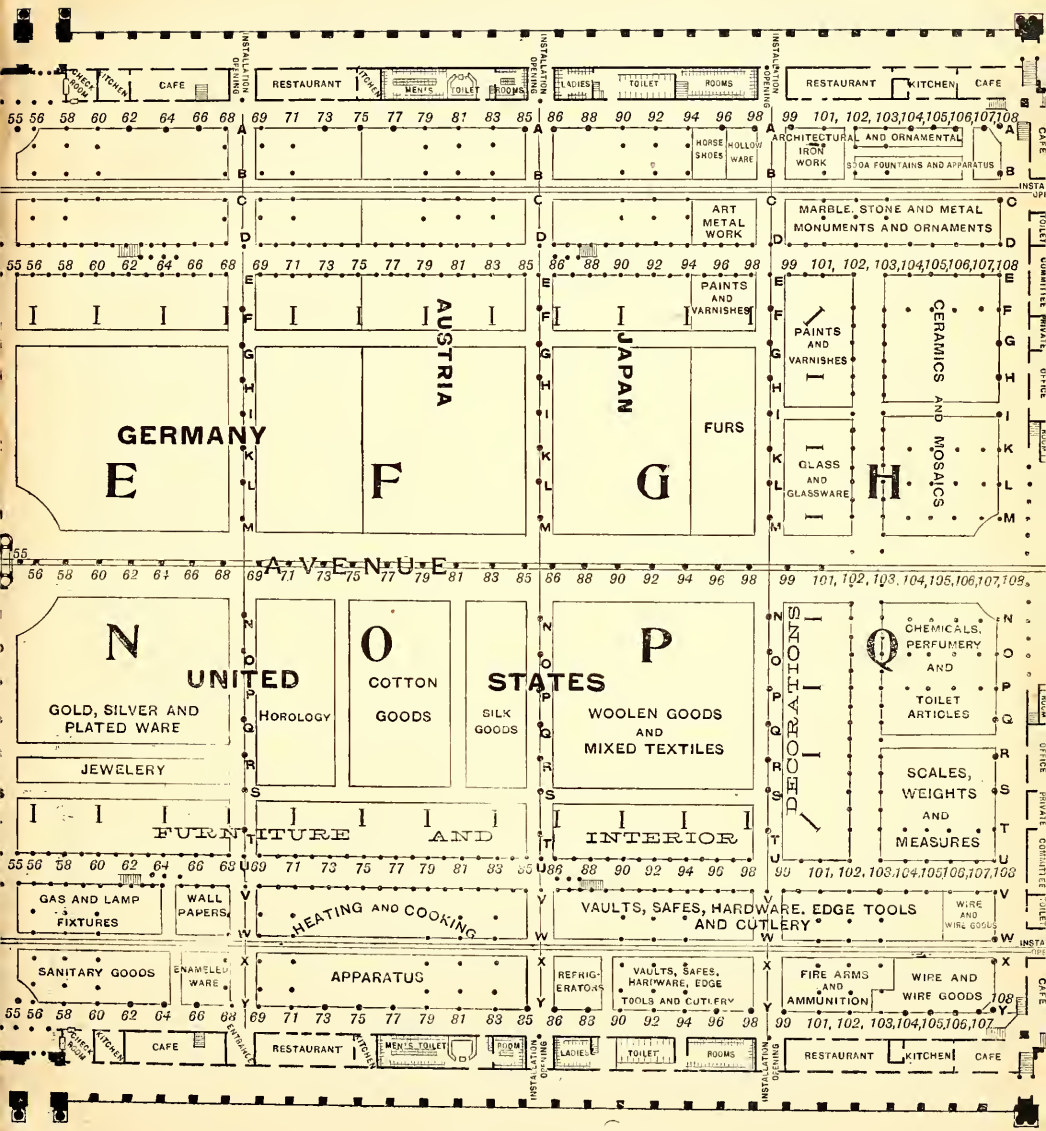
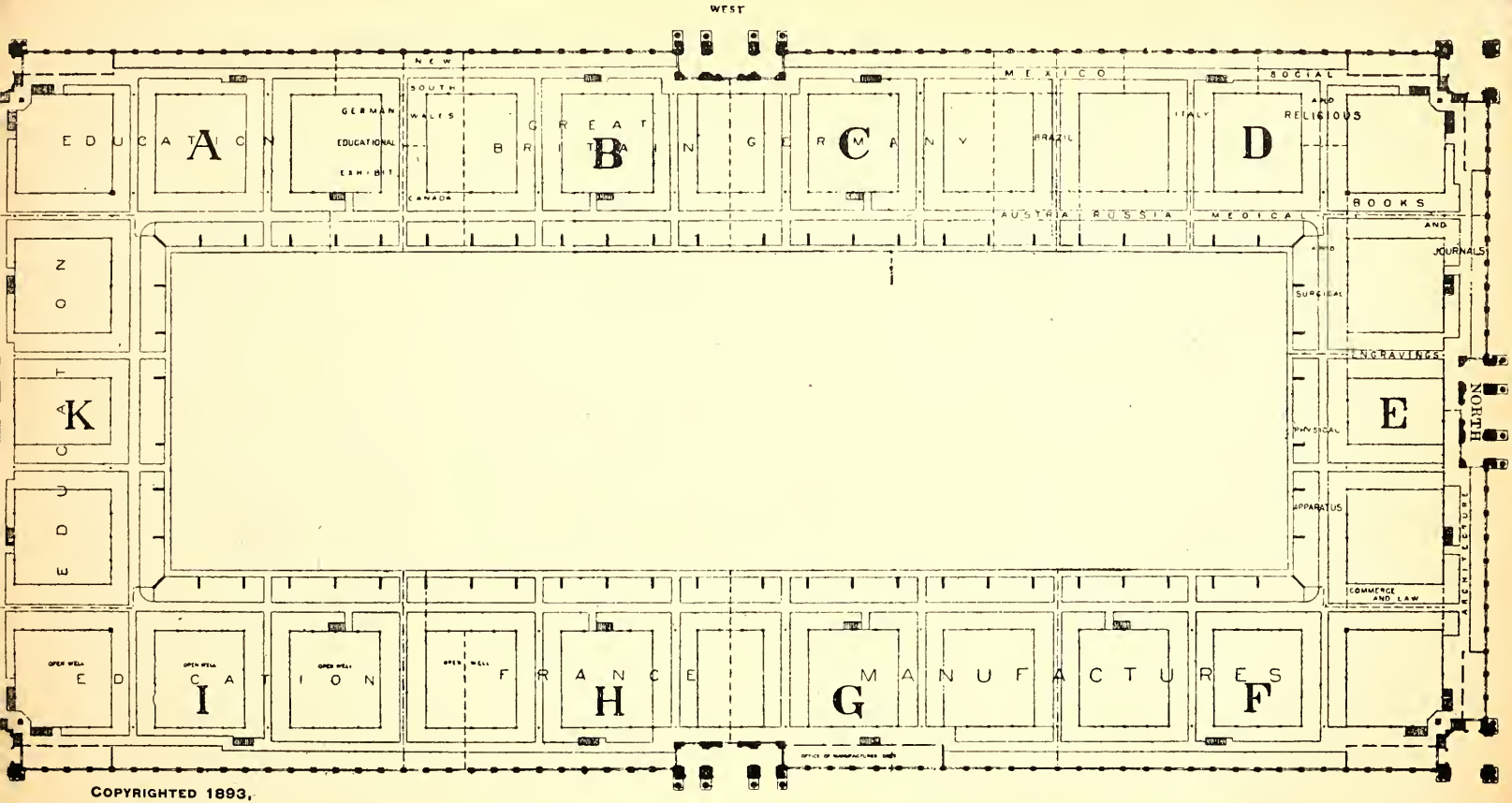
EAST



ake Front. Ground Floor Plan.

WORLD'S COLUMBIAN EXPOSITION,
MANUFACTURES AND LIBERAL ARTS BUILDING.



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WORLDS COLUMBIAN EXPOSITION
East Side Lake Front
GALLERY PLAN.
MANUFACTURES & LIBERAL ARTS
BUILDING

DEPARTMENT H.

MANUFACTURES.

GROUP 87.

CHEMICAL AND PHARMACEUTICAL PRODUCTS—DRUGGISTS' SUPPLIES.

Class 543. Organic and mineral acids.
Class 544. The alkalies and alkaline earths—potash, soda, ammonia, caustic soda, carbonate of soda, lime, magnesia, barytes, etc., with their salts and compounds. Bleaching powders, etc.
Class 545. Metallic oxides and salts of the metals, and other commercial chemical compounds.
Class 546. Pure chemicals for chemists' use.
Class 547. Drugs and pharmaceutical preparations and compounds.
Class 548. Chemists' and druggists' wares and supplies.
Class 549. Flavoring extracts, essences, essential oils, toilet soap, perfumery, pomades, cosmetics, etc.
Class 550. Explosive and fulminating compounds—powder, giant powder, etc., shown only by empty cases and packages, "dummy packages," and cartridges, to illustrate the commercial forms.
Class 551. Pyrotechnics. (In harmless forms, not charged.) Pyrotechnic displays.

GROUP 88.

PAINTS, COLORS, DYES AND VARNISHES.

(See also Group 48.)

Class 552. Colors and pigments—natural and artificial, dry and ground in oil. Printing inks, writing inks, blacking, cochineal, etc.
Class 553. White lead and white zinc industry.
Class 554. Painters' and glaziers' supplies.
Class 555. Artists' colors and artists' materials.

GROUP 89.

TYPEWRITERS, PAPER, BLANK BOOKS, STATIONERY.

Class 556. Paper, pulp and paper stock.
Class 557. Cardboard, cards, pasteboard, binders' board, building boards, and felts for walls and roofing; for floors, ceilings, and for decorations; embossed boards, etc. Papier-maché, useful articles made from paper.
Class 558. Wrapping papers, manila paper, paper bags, tissue papers.
Class 559. Printing paper for books and for newspapers.
Class 560. Writing papers, bond paper, drawing papers, tracing papers and tracing linen; envelopes; blotting paper.
Class 561. Blank books; sets of account books, specimens of ruling and binding, including blanks, bill-heads, etc.; bookbinding.
Class 562. Ornamental and decorated paper; marbleized papers, etc.
Class 563. Wall papers, oil papers.
Class 564. Typewriters, stationery and stationers' goods; ink-stands, weights, rules, pens, pencils, filing-cases, letter presses, etc.

GROUP 90.

FURNITURE OF INTERIORS, UPHOLSTERY AND ARTISTIC DECORATION.

Class 565. Chairs of all grades, rockers, lounges, settees, etc.
Class 566. Tables for various purposes—billiard, card, dining, etc.
Class 567. Suites of furniture for the hall, parlor, drawing-room, library, dining-room and for the bed-chamber.
Class 568. Upholstery for windows, doors; curtains, portières, etc.
Class 569. Mirrors and their mountings.
Class 570. Treatment of porches, doorways, halls and staircases, mantels, etc.
Class 571. Floors, ceilings, walls, doors and windows.
Class 572. Artistic furnishing, illustrated by completely furnished apartments, with selections of furniture and various objects of adornment from other groups.
Class 573. Sewing and embroidering. (See also Group 72.)

GROUP 91—CERAMICS AND MOSAICS.

FOR CLAYS AND OTHER MATERIALS SEE GROUP 46.

Class 574. Bricks and terra cotta for building purposes, plain and enamered. Terra cotta ware for decorative purposes. Reproductions of ancient Roman and Grecian red ware.
Class 575. Stoneware and pottery, lead-glazed and salt-glazed ware, Doulton ware.
Class 576. Earthenware, stone, china and semi-porcelain ware, faience, etc., with soft glazes and with high-fire, feld-spathic glazes and enamels.
Class 577. Porcelain with white or colored body, painted, incised or pâté-sur-pâté decoration.
Class 578. Tiles—plain, encaustic and decorated tiles, bosses, tessaræ, etc., for pavements, mural and mantel decoration, etc.
Class 579. Mural decoration; reredos and panels; borders for fireplaces and mantels.
Class 580. Designs for and examples of pavements in tiles and mosaics.

GROUP 92.

MARBLE, STONE AND METAL MONUMENTS, MAUSOLEUMS, MANTELS, ETC.—CASKETS, COFFINS AND UNDERTAKERS' FURNISHING GOODS.

Class 581. Marble, stone and metal monuments, and mausoleums and fittings.
Class 582. Marble and stone fountains, balustrades and miscellaneous ornaments.
Class 583. Marble, stone and metal mantels and ornaments.
Class 584. Coffins, caskets and undertakers' furnishing goods.

GROUP 93.

ART METAL WORK—ENAMELS, ETC.

Class 585. Art metal work; selected examples of iron forgings, bronzes, bas-reliefs, repoussé and chiseled work.
Class 586. Cloisonné enamels.
Class 587. Champ lévé enamels.
Class 588. Niello work.

GROUP 94.

GLASS AND GLASSWARE.

Class 589. Plate glass in the rough, as cast and rolled, and as ground and polished.
Class 590. Blown glass, ordinary window glass, bottles, tubes, pipes, etc.
Class 591. Pressed glass and glassware generally for the table and various purposes; skylights, insulators, etc.
Class 592. Cut-glass ware for the table and various purposes. Engraved and etched glass.
Class 593. Fancy glassware—plain, iridescent, opalescent, colored, enameled, painted beaded, gilded, etc. Millefiori and aventurine glass.
Class 594. Crackled glass in layers, onyx glass, sculptured glass; reproductions of ancient glassware.
Class 595. Glass mosaics, beads, spun glass and glass fabrics.

GROUP 95.

STAINED GLASS IN DECORATION.

Class 596. Civic and domestic stained glass work, panels, windows, etc.
Class 597. Ecclesiastical stained glass work.

GROUP 96.

CARVINGS IN VARIOUS MATERIALS.

Class 598. Wood carving.
Class 599. Ivory carving.
Class 600. Bamboo incised work.
Class 601. Metal carving and chiseling.
Class 602. Sculptured and engraved glass.
Class 603. Sculpturing, carving and modeling in porcelain. Pâté-sur-pâté.

GROUP 97.

GOLD AND SILVER WARE, PLATE, ETC.

Class 604. Gold and silver ware, gilt ware for the table and for decorations.
Class 605. Silver table ware generally—plates, salvers, tureens, bowls, dishes, baskets, candelabra, épergnes, etc.
Class 606. Knives, forks and spoons.
Class 607. Fancy bonbon and other spoons; miscellaneous fancy articles in silver—snuff-boxes, match-boxes, cane-heads, handles, chatelaines, etc.
Class 608. Ware of mixed metals—Mokumé ware, inlaid and incrusted ware, enameled and niello work.
Class 609. Plated ware on hard or nickel silver foundation.
Class 610. Nickel ware, nickel-silver ware, aluminum ware and aluminum-silver ware.
Class 611. Plated ware on soft metal alloys.

GROUP 98.

JEWELRY AND ORNAMENTS.

Class 612. Gold ornaments for the person, plain, chased, or otherwise wrought or enameled, rings, bracelets, necklaces, chains, etc.
Class 613. Diamonds and various colored gems, as rubies, sapphires, emeralds, chrysoberyls, tourmalines, topazes, etc., mounted in various ornaments.
(For gems in the rough and unmounted in part, see Department E.)
Class 614. Agates, onyx, jasper, ornaments for the person.
Class 615. Pastes and imitations of precious stones, mounted or unmounted.
Class 616. Gold-covered and gilt jewelry and ornaments.

GROUP 99.

HOROLOGY—WATCHES, CLOCKS, ETC.

(See also Group 151.)

Class 617. Watches of all kinds.
Class 618. Watch movements and parts of watches.
Class 619. Watch-cases.
Class 620. Watch-makers' tools and machinery in part. (For machines requiring power see Department F.)
Class 621. Clocks of all kinds.
Class 622. Clock movements.
Class 623. Clock-making machinery.
Class 624. Watchmen's time registers.

GROUP 100.

SILK AND SILK FABRICS.

Class 625. Raw silk as reeled from the cocoon, thrown or twisted silks in the gum; organzine, tram, spun-silk yarn.
Class 626. Thrown or twisted silks, boiled off or dyed, in hanks, skeins or on spools; machine twist and sewing-silk.
Class 627. Spun-silk yarns and fabrics and the materials from which they are made.
Class 628. Plain woven silks, lute-strings, sarsnets, satins, serges, foulards, tissues for hat and millinery purposes, etc.
Class 629. Figured-silk piece goods, woven or printed. Upholstery silks, etc.
Class 630. Crapes, velvets, gauzes, cravats, handkerchiefs, hosiery, knit goods, laces, scarfs, ties, veils; all descriptions of cut and made-up silks.
Class 631. Ribbons—plain, fancy and velvet.
Class 632. Bindings, braids, cords, galloons, ladies' dress trimmings, upholsterers', tailors', military and miscellaneous trimmings.

GROUP 101.

FABRICS OF JUTE, RAMIE AND OTHER VEGETABLE AND MINERAL FIBRES.

Class 633. Jute cloth and fabrics, plain and decorated.
Class 634. Ramie and other fabrics.
Class 635. Mats and coarse fabrics of grass, rattan, cocoanut and bark; mattings, Chinese, Japanese, palm-leaf, grass and rushes; floor cloths of rattan and cocoanut fibre, aloe fibre, etc.
Class 636. Floor, oil-cloths and other painted and enameled tissues, and imitations of leather with a woven base.
Class 637. Woven fabrics of mineral origin—fine wire-cloths, sieve-cloth, wire screen, bolting-cloth. (See also Group 117.) Asbestos fibre, spun and woven, with the clothing manufactured from it. Glass thread, floss and fabrics. (See also Class 595.)

GROUP 102.

YARNS AND WOVEN GOODS OF COTTON, LINEN AND OTHER VEGETABLE FIBRES.

Class 638. Cotton fabrics—yarns, twines, sewing-cotton, tapes, webbings, battings, waddings, plain cloths for printing and converting, print cloths, brown and bleached sheetings or shirtings, drills, twills, sateens, ginghams, cotton flannels, fine and fancy woven fabrics, duck, ticks, denims, stripes, bags and bagging. Upholstery goods—tapestries, curtains and chenilles.
Class 639. Linen fabrics—linen thread, cloths and drills, plain and mixed; napkins, tablecloths, sheetings, shirtings, etc.; cambrics, handkerchiefs and other manufactures of linen.

GROUP 103.

WOVEN AND FELTED GOODS OF WOOL AND MIXTURES OF WOOL.

Class 640. Woolen and worsted fabrics—woolen yarns, union and merino worsted tops noils and yarns, shoddy and mungo.
Class 641. Woolen goods—all wool woolen cloths, doeskins, cassimeres, indigo flannels and broadcloth, overcoatings, cloakings and kerseys, flannels, dress goods, etc., for both men and women.
Class 642. Blankets, robes, traveling rugs, horse blankets, shawls, bunting, etc.
Class 643. Worsted goods—coatings, serges, suitings, cashmeres, etc.
Class 644. Cotton and woolen-mixed woven goods—unions, tweeds, cheviots, flannels, linseys, blankets, etc.
Class 645. Woven on cotton warps.
Class 646. Upholstery goods.
Class 647. Sundries and small wares, webbings and gorings, bindings, beltings, braids, galloons, fringes and gimps, cords and tassels, and all elastic fabrics, dress trimmings, embroideries, etc.

Class 648. Felt goods, felt cloths, trimming and lining felt, felt skirts and skirting, table and piano covers, felts for ladies' hats, saddle felts, druggets, endless belts for printing machines, rubber shoe-linings and other footwear, hair feltings.
Class 649. Carpets and rugs, ingrains (two-ply and three-ply) and art carpets, tapestry. and body Brussels, tapestry velvet, Wilton or Wilton velvet, Axminster, tapestry Wilton, Moquette, ingrain and Smyrna rugs, other woolen rugs, rag carpets.
Class 650. Wool hats of every description.
Class 651. Fabrics of hair, alpaca, goat's hair, camel's hair, etc., not otherwise enumerated

GROUP 104.

CLOTHING AND COSTUMES.

Class 652. Ready-made clothing—men's and boys'.
Class 653. Dresses, gowns, habits, costumes.
Class 654. Hats and caps.
Class 655. Bonnets and millinery.
Class 656. Boots and shoes.
Class 657. Knit goods and hosiery, woven gloves, gloves of leather and skins.
Class 658. Shirts, collars, cuffs, cravats, suspenders, braces and appliances.
Class 659. Sewing machines for domestic purposes.

GROUP 105.

FURS AND FUR CLOTHING.

Class 660. Furs and skins, dressed and tanned. Of the cat tribe, of the wolf tribe, of the weasel tribe, of the bear tribe, of the seal tribe. Fur seals—Alaska, Oregon, South Georgia, Shetland and Siberia, undressed, plucked and dyed. Hair seals, Greenland and Labrador seals, spotted seals, silver seal, harp seal, saddle-back. Furs of rodent animals—squirrels, chinchilla, beaver, hares, rabbits and other fur-bearing animals. Birds' skins treated as furs. Swans and swan's-down. Skins. Goose and goose-down used as swan's-down. Grebe, eider-down and penguin.
Class 661. Fur mats and carriage or sleigh robes.
Class 662. Fur clothing.
Class 663. Fur trimmings.

GROUP 106.

LACES, EMBROIDERIES, TRIMMINGS, ARTIFICIAL FLOWERS, FANS, ETC.

Class 664. Laces of linen and cotton, of silk, wool, or mohair, made with the needle or the loom; silver and gold lace.
Class 665. Embroideries, crotchet-work, etc.; needle-work.
Class 666. Artificial flowers for trimming and for decoration of apartments.
Class 667. Fans.
Class 668. Trimmings in variety, not otherwise classed. Buttons, hooks and eyes, pins and needles.
Class 669. Art embroidery and needle-work.
Class 670. Tapestries, hand-made.
Class 671. Tapestries, machine-work.

GROUP 107.

HAIR WORK, COIFFURES AND ACCESSORIES OF THE TOILET.

Class 672. Hair work, as souvenirs and ornaments.
Class 673. Coiffures, wigs, switches, etc.
Class 674. Barbers' and hair-dressers' tools and appliances.
Class 675. Combs, brushes. (See also Class 549.)

GROUP 108.

TRAVELING EQUIPMENTS—VALISES, TRUNKS, TOILET-CASES, FANCY LEATHER WORK, CANES, UMBRELLAS, PARASOLS, ETC.

Class 676. Tents, shelters and apparatus for camping, camp stools, etc., hampers, baskets, etc.
Class 677. Shawl and rug straps and pouches, gun cases.
Class 678. Valises of various materials; dress-suit cases, satchels, hand-bags, etc.; toilet articles.
Class 679. Trunks of leather, paper, canvas and of wood and metal.
Class 680. Fancy bags, pouches, purses, card-cases, portfolios, pocket-books, cigar-cases, smoking pipes, cigar-holders, etc.
Class 681. Canes.
Class 682. Umbrellas and parasols.

GROUP 109.

RUBBER GOODS, CAOUTCHOUC, GUTTA PERCHA, CELLULOID AND ZYLONITE.

Class 683. Clothing; Mackintoshes, capes, coats, boots, shoes, hats, etc.
Class 684. Piano and table covers, horse covers, carriage cloth.
Class 685. Stationers' articles.
Class 686. Druggists' articles, toilet articles.
Class 687. Medical and surgical instruments. (See also Group 148.)
Class 688. House-furnishing articles, mats, cushions.
Class 689. Hose, tubes, belting, packing.
Class 690. Insulating compounds.
Class 691. Toys of rubber.
Class 692. Guttapercha fabrics.

GROUP 110.

TOYS AND FANCY ARTICLES.

Class 693. Automatic and other toys and games for the amusement and instruction of children.
Class 694. Bonbons, fancy boxes and packages for confectionery.
Class 695. Miscellaneous fancy articles not especially classed.

GROUP 111.

LEATHER AND MANUFACTURES OF LEATHER

Class 696. Hides and skins.
Class 697. Tanned leathers—belting, grain and harness leather. Sole leather—calf, kip and goat skins; sheep skins.
Class 698. Curried leathers.
Class 699. Patent and enameled leathers; morocco.
Class 700. Alligator, porpoise, walrus and kangaroo leather.
Class 701. Russia leathers.
Class 702. Oil leathers, wash leather, and all other varieties of leather not before named.
Class 703. Parchment for commissions, patents, deeds, diplomas, etc. Vellum for similar purposes, and for books and book-binding; for drums and tambourines; for gold-beaters' use, etc.
Class 704. Leather belting.
Class 705. Embossed leather for furniture, wall decoration, etc.
(For trunks see Class 679. For harness, saddlery, etc., see Class 523.)

GROUP 112.

SCALES, WEIGHTS AND MEASURES.

(See also Group 151.)

Class 706. Scales for commercial use in weighing groceries, produce and merchandise. Counter scales, etc., portable platform scales.
Class 707. Scales for weighing heavy and bulky objects, as hay, ice, ores, coal, railway cars, etc.
Class 708. Druggists' and prescription scales.
Class 709. Bullion scales. Assayers' and chemists' scales. (See also Class 408.)
Class 710. Postal balances.
Class 711. Gas and water meters.
Class 712. Commercial weights and sets of weights—avoirdupois, troy and apothecaries', with the weights of the metric system.
Class 713. Commercial examples of the measures of capacity, for solids and fluids—measuring glasses for the kitchen and for the laboratory.

GROUP 113.

MATERIAL OF WAR; ORDNANCE AND AMMUNITION—WEAPONS AND APPARATUS OF HUNTING, TRAPPING, ETC.; MILITARY AND SPORTING SMALL-ARMS.

Class 714. Military small-arms, rifles, pistols and magazine guns, with their ammunition.
Class 715. Light artillery, compound guns, machine guns, mitrailleuses, etc.
Class 716. Heavy ordnance and its accessories.
Class 717. Knives, swords, spears and dirks.
Class 718. Fire-arms used for sporting and hunting; also other implements for same purpose. (See also Group 161.)

GROUP 114.

LIGHTING APPARATUS AND APPLIANCES.

Class 719. Lamps for burning petroleum, burners, chimneys, shades, table lamps, hanging lamps.
Class 720. Lanterns, coach lamps, street and special lights and lanterns.
Class 721. Illuminating gas; fixtures, burners and chandeliers.
Class 722. Electroliers and electric lamps.
Class 723. The "Lucigen" and similar lighting apparatus.

GROUP 115.

HEATING AND COOKING APPARATUS AND APPLIANCES.

Class 724. Fire-places, grates and appurtenances for burning wood, coal or gas.
Class 725. Hot-air heating furnaces.
Class 726. Steam heaters, hot-water heaters, radiators, etc.
Class 727. Stoves for heating, cooking stoves, kitchen ranges, grills, roasting jacks, ovens, etc. Stove polish.
Class 728. Gas burners for heating, gas logs, gas stoves, etc.
Class 729. Petroleum stoves.
Class 730. Kitchen utensils and other miscellaneous articles for household purposes.

GROUP 116.

REFRIGERATORS, HOLLOW METAL WARE, TINWARE, ENAMELED WARE.

Class 731. Refrigerators. Soda and aerated water fountains and appliances.
Class 732. Cast hollowware—kettles, pots, etc.
Class 733. Hollowware of copper, nickel, tin-plate and iron. Bells.
Class 734. Enameled ware, granite ware and porcelain-lined ware. Enameled letters and signs.

GROUP 117.

WIRE GOODS AND SCREENS, PERFORATED SHEETS, LATTICE WORK, FENCING, ETC.

(See also Group 65.)

Class 735. Wire-cloth of brass or of annealed iron and steel.
Class 736. Wire-cloth of special alloys, as aluminum bronze wire, etc.
Class 737. Sieves of various grades and materials.
Class 738. Screens for special purposes.
Class 739. Perforated metal plates.
Class 740. Artistic lattice work.
Class 741. Wire netting.
Class 742. Wire fencing. (For trellis work for gardens and flowers see also Group 26.)

GROUP 118.

WROUGHT-IRON AND THIN METAL EXHIBITS.

Class 743. Wrought-iron gates, railings, crestings and artistic forgings, not otherwise specifically classed. (See also Department K.)
Class 744. Repoussé, hammered and stamped metal ornaments used for buildings, bridges, and other structures.
Class 745. Beams, girders, columns, angle-irons, etc.
Class 746. Horse-shoes and crude forgings.

GROUP 119.

VAULTS, SAFES, HARDWARE, EDGE TOOLS, CUTLERY.

Class 747. Builders' hardware—locks, latches, spikes, nails, screws, tacks, bolts, hinges pulleys; furniture fittings; ships' hardware and fittings.
Class 748. Axes, hatchets, adzes, etc.
Class 749. Edge tools of various descriptions.
Class 750. Saws, files.
Class 751. Cutlery—knives, scissors, shears, razors, etc.; table cutlery.
Class 752. Vaults, safes and appliances; machinists' and metal workers' tools.

GROUP 120.

PLUMBING AND SANITARY MATERIALS.

Class 753. Bath tubs, bathing appliances and attachments.
Class 754. Water closets, syphons, flushing tanks; apparatus and receptacles for ventilation and sewerage.
Class 755. Porcelain laundry tubs, basins, cocks, drains and other appliances.
Class 756. Plumbers' and gas-fitters' hardware and miscellaneous appliances.

GROUP 121.

MISCELLANEOUS ARTICLES OF MANUFACTURE NOT HERETOFORE CLASSED.

Department H.--Manufactures.

UNITED STATES.

Chemical and Pharmaceutical Products.—Druggists' Supplies.

GROUP 87.

ıemical and Pharmaceutical Products —Druggists' Supplies.

Exhibits ın this group are installed, with ro exceptions, in Section Q, Block 1.

Exhibit No.		Class'n No.
.	**Allen's, J. J., Sons, Philadelphia.** Phosphorus and associated chemicals.	546
..	**Baldwin, B. D., & Co., Chicago.** Perfumes.	549
.	**Bower, Henry, & Son, Philadelphia.** Chemicals.	544

mmonia Company of Philadelphia. Kali-ı Chemical Company. Ammonia products, ılphate, muriate, aqua; sulphuric acid; russiate of potash; bichromates of potash ıd soda; bichloride of tin; glycerine, re-ıed, of various qualities.

.	**Burnett, Joseph, & Co., Boston.** Flavoring extracts, perfumery and color pastes.	549

urnett's extracts have been the popular avors in the U. S. for half a century; they re used and indorsed by the best hotels, ɔnfectioners and grocers throughout the ɔuntry. Pistachio and violet have been ecently added to the list, and bid fair to val Burnett's famous vanilla.

.	**Buttermilk Toilet Company, Chicago.** Soap.	549
.	**Cheeseborough Manufacturing Company, (Consolidated), New York.**	
	a Medicinal preparations.	547
	b Soaps; toilet preparations, etc.	549

he only manufacturers of vaseline and all s preparations in the world. 24 State St., ew York.

.	**Dodge & Olcott, New York.**	
	a Drugs and chemicals.	547
	b Essential oils.	549

Exhibit No.		Class'n No.
11.	**Durkee, E. R., & Co., New York.** Flavoring extracts.	549

Sole manufacturers of the "Gauntlet Brand" ground spices, baking powder, salad dressing, celery salt, curry powder, table sauces, food products, flavoring extracts.

12.	**Fritzsche Bros., New York.** Essential oils.	549

Factory, Garfield, N. J. Branch of Schimmel & Co., Leipsic and Prague. Essential oils, chemical preparations and synthetic aromatics. Established in New York in 1870. Medals awarded at Centennial Exposition, Philadelphia, in 1876; also at Paris Exposition in 1878.

12a.	**Gardner, R. W., New York.** Syrup of hydriodic acid. Q-1	546
13.	**Gordon, W. J. M., Chemical Company, Cincinnati.** Glycerine.	546
14.	**Gribble & Nash, New York.** Refined camphor.	544
15.	**Hotchkiss, H. G., Sons, Lyons, N. Y.** Essential oils.	549
16.	**India Alkali Works, Boston.** Alkalies and alkaline earths.	544

Savogran, wool scourers and cleansing powders. U. S. government standard. Twelve years in use by best cotton and woolen mills, railroads, office buildings, institutions and creameries. Most reliable and convenient for purposes intended.

17.	**Kirk, J. S., & Co., Chicago.** Soaps, perfumery and glycerine.	549
18.	**Krembs & Co., Chicago.**	
	a Chemical preparations.	546
	b Pharmaceutical and technical preparations.	547
19.	**Ladd & Coffin, New York.** Perfumery, cologne and sachet powder.	549

Lundborg's famous perfumes, colognes, toilet waters, sachet powders, etc. First awards at Philadelphia 1876, Sydney 1879, Melbourne 1881, Adelaide 1881, Calcutta 1883–4, Paris 1889, and wherever exhibited.

Druggists' Supplies, Paints, Colors, Dyes and Varnishes.

Exhibit No. — Class'n No.

20. **Lazell, Dalley & Co., New York.** Perfumery. 549
Established 1839. Manufacturers of the highest quality of perfumery, colognes, sachets and cologne oils. Only the finest materials are used, and neither expense nor trouble are spared in their manufacture. We invite comparison with the goods of other perfumers, foreign or domestic.

21. **Lorenz, George, Toledo, Ohio.** Perfumery and toilet articles. 549

22. **Low's, Robert, Son, Brooklyn, N. Y.** Toilet soap and perfumeries. 549

23. **Marx & Rawolle, New York.** Glycerine. 547

23a. **McNeal, D. W., & Co., Chicago.** Hair tonic. Gal. F-1 549

24. **Melzer, A., Evansville, Ind.** Soaps and silver washing flakes. Q-1 549

26. **Morgan, Enoch, Sons, New York.** Scouring soap. 549
It is a solid cake of scouring soap, used in every civilized country. Capt. Andrews and the 14 ft. boat "Sapolio," in which he crossed the ocean, are here shown as exhibits of American grit and as one form of the brilliant advertising which has made Sapolio known to all lands.

29. **Pennsylvania Salt Manufacturing** Company, Philadelphia. Alkalies and alkaline earth. 544

30. **Powers & Weightman, Philadelphia.** Chemicals. 546

31. **Preston, Andrew P., Portsmouth,** N. H. Pharmaceutical specialties and toilet preparations. 549
Portsmouth (settled in 1623) is a delightful old city near the sea and New Hampshire's business center for the summer tourist. Preston's was estab. Jan. 1, 1838. The famous Portsmouth specialties are made by Preston, and simple remedies from Preston's are at leading summer resorts.

33. **Remmey, Richard C., Philadelphia.** Chemical stoneware. 548
Chemical acid brick for chemical works.

34. **Ricksecker, Theo., New York.** Perfumery and toilet goods. 549

35. **Roessler & Hasslacher Chemical Co.,** New York. Chemicals. 546
Acetone, chloroform, cyanide, ceramic colors, etc.

36. **Rosengarten & Sons, Philadelphia.** Chemicals. 546
For use in medicine and the arts.

Exhibit No. — Class No.

37. **Todd, Albert M., Kalamazoo, Mic**
a Chemicals. 54
b Drugs. 54
c Essential oils. 54
The most extensive refining works in th world. Refined essential oils, peppermin wintergreen, etc. Refined drugs, campho menthol, thymol, etc. Living plants, fro which derived. Ancient books, manuscrip and models, illustrating the history chemistry, etc.

37a. **Williams, J. B., & Co., Glastonbur** Conn. Shaving and toilet soaps. Gal. G-7 54

38. **Zehring Company, Chicago.** Perfume and toilet goods. 54

GROUP 88.

Paints, Colors, Dyes and Varnishes.

Exhibits in this group are installed i Section H, Block 1, Section G, Block 2, an Gallery F-4.

39. **Arnstein, Eugene, Chicago.** Bronz powder, paints, brushes, etc. G-2 55

39a. **Baeder, Adamson & Co., Philadelphi** Emery paper, sand-paper, glue, etc. H-1 55

40. **Berry Bros., Ltd., Detroit, Mich.** Va nishes. H-1 55
Also originators and sole makers of genuin hard oil finish. New York, Boston, Phil delphia, Baltimore, Chicago, Cincinnat St. Louis, San Francisco. Factory an head office, Detroit, Mich.

41. **Bridgeport Wood Finishing Compan** New Milford, Conn. Paints, fillers, stain and polishes. H-1 55

42. **Celluloid Zapon Co., New York** Liquid celluloid. Dept. J 55
Controlling all patents for the manufactur of liquid celluloid for varnishes, lacquers c enamels. See exhibit with Hanson & Va Winkle Co., Electricity B'ld'g, Sec. L-4.

44. **Chicago Varnish Company, Chicag** Varnish and fossil gums. H-1 55

45. **DeGolyer, Watts, Company, Chicag** Varnishes. H-1 55

46. **Dexter Bros., Boston.** Shingle stai H-1 55

47. **Dunham, G. D., Chicago.** Glazier diamonds. G-2 55
Importer and manufact'r, 164 Randolph S

hibit No. Class'n No.

. **Egyptian Lacquer M'f'g Co., New** York. Lacquers and varnishes. G-2 554

. **Gerts, Lumbard & Co., Chicago.** Paint brushes, etc. G-2 554

. **Heath & Milligan Manufacturing Com-**pany, Chicago. Paints and supplies. H-1 552

. **Hebblewhite Manufacturing Company,** Buffalo, N. Y. Stove polish. G-2 552

. **International Ultramarine Works,** New York. Ultramarine blue. G-2 552

. **Johns, H. W., Manufacturing Com-**pany, New York. Paints, oils and stains. H-1 552

. **Masury, John W., & Son, Chicago.**
a Varnishes, japans and stains. H-1 552
b White leads. 553
c Artists' colors. 555

. **O'Brien Varnish Company, South** Bend, Ind. Oils, varnishes and lacquers. G-2 552

. **Rinald Bros., Philadelphia. Paints ap-**plied to a wooden windmill. H-1 552
) Porcelain enamel paint (mill and wings);
) Bessemer paint (base, steps and tin roof);
) German brewers' varnish; (d) Colorven aint remover. Sole manufac'rs in Europe: osenweig & Baumann, Cassel, Germany.

. **Rubber Paint Company, Chicago.** Paints and materials. H-1 552

. **Scientific Art & Decorative Co., New** York. Decorative paint. G-2 554
arseilles plush paint, best to use on ex-ensive and delicate fabrics; only paint nown that does not destroy the lustre of lk or satin, or flatten the nap of plush; so for photos, wood, glass, china, etc. structions free to customers. Address R. Lasware, P. O. box 544, Chicago, Ill.

. **Senour Manufacturing Company, Chi-**cago. Paints and colors. G-2 552
enour's floor paint. Monarch mixed paint. he old original floor paint pioneers.

. **Thomas, L. H., Company, Chicago.** Inks; mucilage; blueing. G-2 552

. **Valentine, Lawson, Company, New** York. Varnishes and colors. H-1-So. 552

. **Valentine & Co., New York. Varnishes,** colors and material. H-1 552

. **Weber, F., & Co., Philadelphia.** Artists' materials. G-2 555
Iedals awarded for the manufacture of rtists' oil and water colors at Vienna, 1873, ranklin Institute Exhib., 1874, Philadel-hia, 1876, New Orleans, 1885.

. **Whiting, John L., & Son, Boston.** Brushes. G-2 554

Exhibit No. Class'n No.

67. **Wiggin & Stevens, Malden, Mass.** Sandpaper. G-2 554

68. **Woods', Henry, Sons Company, Bos-**ton. Paints and colors. G-2-No. 552

GROUP 89.

Typewriters, Paper, Blank Books, Stationery.

Exhibits in this group are installed in Section G and in Gallery Sections F and G.

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69. **Amberg File & Index Co., Chi-**cago. Letter files, copying and index books. Gal. F-2 564

70. **American Paper Pail & Box Company,** New York. Paper pails, boxes and nap-kins. Gal. G-11 557

71. **American Writing Machine Company,** Hartford, Conn. Writing machine and appliances; typewriter. Gal. F-2 564

71a. **Arabol Manufacturing Co., New** York. Adhesive pastes. G-2 564
Gums for lithographers, confectioners, and envelope, label, paper bag and box ma-chines, etc. Sizings for textiles, paper coat-ing and painters. Pastes for tin, glass, wood and special uses.

72. **Auto-typograph Co., Chicago. An** instrument for copying handwriting and typewriting. Gal. F-5 564

74. **Blickensderfer M'f'g Co., New York.** Typewriters. Gal. F-5 564

75. **Book Typewriter Co., Rochester,** Y. Typewriter. Gal. F-12 564

76. **Brown, L.L., Paper Company, Adams,** Mass. Ledger and record paper. Gal. F-10 560
Linen ledger paper for blank books a spe-cialty. Gold medal awarded these papers at Paris, 1889. Mills established at Adams, Mass., 1850.

76a. **Brown & Besly, Chicago. Cabinet** and letter files. Gal. F-8 564

77. **Bushnell, Alvah, Philadelphia. Copy-**ing books and office supplies. Gal. F-8 564

77a. **Caw's Pen & Ink Co., New York.** Fountain and stylographic pens and writ-ing inks. Gal. F-4 564
"I find Caw's 'Dashaway' Fountain Pen very valuable as a signature pen."
Grover Cleveland,
President of the United States.
Highest award, New Orleans, 1884; Paris, 1889.

Typewriters, Paper, Blank Books, Stationery.

Exhibit No. — Class'n No.

78. **Crandall Machine Company, Groton,** N. Y. Typewriters. Gal. F-2 564

80. **Crane Bros., Westfield, Mass. Linen** record and writing paper. Gal. F-10 560

81. **Crane, Z. & W. M., Dalton, Mass.** Writing paper and stationery. Gal. F-10 560

Ladies' fine stationery. Pasted boards for wedding and visiting cards.

82. **Crane & Co., Dalton, Mass. Bank** note, bond and parchment paper. Gal. F-10 560

83. **Crosby Paper Co., Marion, Ind.** Strawboard. Gal. F-12 557

84. **Columbia Typewriter Manufacturing** Company, New York. Typewriter. Gal. F-2 564

The 1893 visible writing bar-lock typewriters possess a unique combination of advantages. They produce best work with least effort in shortest time. Arranged for all languages. The No.1 bar-lock silver medal Paris, 1889; the No. 2 only gold medal Edinburgh, 1890; Jamaica, 1891; Boston, 1892.

85. **Crown Pen Company, Chicago. Fount-**ain and gold pens. Gal. F-5 564

86. **Cyclostyle Company, New York. Du-**plicators, stands and cabinets. Gal.F-5 564

87. **Dennison Manufacturing Company,** Chicago. Stationers' goods, tissue paper articles. Gal. F-5 557

88. **Densmore Typewriter Company, New** York. Typewriters. Gal. F-5 564

The Densmore is of the very highest grade of commercial typewriters,is replete with conveniences, and noted for its simplicity. No. 1 has 76 and No. 2, 84 characters, without increase in size of frame or carriage. Adopts the Remington keyboard and shift. Keyboards for different languages.

89. **Denver Paper Mills, Denver, Col.** Paper. Gal. F-8 556

90. **Dick, A.B., Company, Chicago. Type-**writers, mimeograph, letter files. Gal. F-2 564

91. **Dixon, Joseph, Crucible Company,** Jersey City, N. J. Pencils, models of graphite industry. Gal. F-5 564

92. **Electrose Manufacturing Company,** Chicago. Inkstands, paper weights, etc. Gal. F-9 564

93. **Essex Typewriter, New York. Type-**writers. Gal. F-12 564

94. **Esterbrook Steel Pen Manufacturing** Company, Camden, N. J. Metallic pens and penholders. Gal. F-8 564

96. **Franklin Manufacturing Company,** Rochester, N. Y. Lumber, crayons, oil crayons, lithographic crayons, colore chalks. Gal. F-5 5

96a. **Franklin Typewriter, Boston. Typ-**writers and supplies. Gal. F-5 5

97. **Grieshaber, B., Chicago. Gold pen** picks, pencils, fountain pens. Gal. F-1 5

98a. **Hake, Ph., Manufacturing Compan** New York. Stationery. Gal. F-5 5

Fine writing paper and envelopes, papete ies, wedding stationery, visiting cards, pr grams, euchre tally cards, menus, announc ment cards. Silver medal at Paris Exp sition, 1878.

99. **Hammond Typewriter Company, Ch** cago. Typewriters and appurtenance models of printing devices and factory. Gal. F-2 5

100. **Harding Paper Company, Frankli** Ohio. Ledger and writing paper. Gal. F-11 5

101. **Hunt, E. C., Glen Cove, L. I. Marl** ing material, letter heads. Gal. F-8 5

102. **Hurlburt Paper Manufacturing Con** pany, South Lee, Mass. Writing pap and envelopes. Gal. F-10 5

103. **Illinois Iron & Bolt Co., Ca** penterville, Ill. Copy presses an stands. Gal. F-2 5

104. **Kiefer, Karl, Cincinnati, O. Typ-**writer. Gal. F-12 5

106. **Mermod & Jaccard Jewelry Co., S** Louis. Society Stationery. Gal. G-3 5

Wedding and calling cards. Absolute co rect form and style assured. Orders r ceived for execution at stationery exhibi Gallery Sec. G, Block 3.

107. **Mills, Knight & Co., Boston. Fanc** leather work. Gal. F-8 5

108. **Munson Typewriter Co., Chicag** Typewriters. Gal. F-5 5

The only machine using interchangeabl all steel type wheels, with interchangeab keys, so that the same machine may b used to write any language. General offic 162 La Salle street, Chicago, Ill.

110. **Office Specialty Company, Rocheste** N. Y. Mercantile labor-saving devices. Gal. F-2 5

Branches 327 Wabash avenue, Chicago, als at New York, Philadelphia, Washingto Atlanta, San Francisco and Toronto. Mal ers of metallic vault and office furnitur Shannon letter files and cabinets, docume files and cabinets, rapid roller copier Schlicht's standard indexes, etc.

111. **Ohmer's, M., Sons Company, Dayto** Ohio. Filing document cases, etc. Gal. F-2 5

Typewriters, Paper, Blank Books, Stationery.

Exhibit No. — Class'n No.

113. **Paterson Parchment Paper Company,** Passaic, N. J. Parchment paper. Gal. F-10

114. **Perfection Ink Well Co., Albany,** N. Y. Perfection ink wells. Gal. F-1 564

115. **Philadelphia Typewriter Co., Philadelphia.** Typewriters. Gal. F-5 564

116. **Pomeroy Bros., Newark, N. J.** Writing inks, mucilage, sealing wax, etc. Gal. F-12 564

Also duplicators and supplies made by the Pomeroy Duplicator Co., of Newark, N. J.

116a. **Remington Typewriter, New York.** Typewriters and appurtenances. Gal. F-2 564

117. **Rockwell & Rupel Co., Chicago.** Copy presses, typewriters' supplies. Gal. F-5 564

118. **Rogers Manifold & Carbon Paper** Company, New York. Manifold and carbon paper, typewriter supplies. Gal. F-8 564

119. **Rubel Bros., Chicago. Account** books and system of accounts. Gal. F-9 561

120. **Safeguard Account Company, Chicago.** Account books and system of book-keeping. Gal. F-9 561

121. **Scott Paper Company, Philadelphia.** Toilet paper and fixtures. Gal. F-12 558

Manufacturers of wire loop packages, plain and perforated rolls, oval rolls, pocket toilet and the Hoyt toilet papers.

122. **Shattuck Pen Co., New York. Gold** pens, hard rubber fountain pen holders, and stationery specialties. Gal. F-5 564

The famous Shattuck automatic triple gravity feed fountain pen. Warranted.

123. **Shepard, Henry O., Co., Chicago.** Blank books, cards, printed books, etc. Gal. F-5 561

124. **Smith Premier Typewriter Company,** Chicago. Typewriters and supplies. Gal. F-2 564

125. **Smith, The S. T., Co., New York.** Typewriter supplies. Gal. F-8 564

Inked ribbons in all colors for all typewriting machines; carbon, manifold and typewriter linen papers; Keating's type-cleaning brush, inked pads for Yost and other pad machines. General supplies for stenographers, railroad train books and manifold train orders for all railroads.

126. **Standard Paint Company, New York.** Insulating and waterproof papers. Gal. F-14 557

127. **Thompson & Norris Co., Brooklyn,** N. Y. Bottle packing. Cork and corrugated paper goods. Gal. F-9 557

Exhibit No. — Class'n No.

127a. **United States Printing Co., Cincinnati.** Playing cards and colored printing. Gal. F-10 557

128. **Waterman, L. E., & Co., New York.** Fountain pens. Gal. F-5 564

Waterman's Ideal Fountain Pen, invented in 1883 by L. E. Waterman. The only pen that feeds exclusively by capillary action, which secures a free and continuous flow, regulated automatically by the act of writing. American Institute special medal, 1885. Highest Paris medal, 1889.

129. **Wells Manufacturing Company, Syracuse,** N. Y. Letter files, indexed books, racks, etc. Gal. F-2 564

Wells' cabinet letter file is compact, adjustable, gives quick reference. Wells' adjustable book and paper rack for office, study, library, etc. Wells' adjustable partition holder. Wells' date indexing system for diaries, bank ticklers, bills payable books, etc.

130. **Western Coated Paper & Card Company,** Chicago. Coated papers. Gal. F-14 559

131. **Western Paper Bag Company, Batavia,** Ill. Paper bags and paper. Gal. F-9 558

Manufacturers of all descriptions of paper bags and manila papers. Mills at Batavia, Ill., and Appleton, Combined Locks and Kaukauna, Wis. Capacity, seventy tons of paper and three million bags daily.

132. **Weston, Byron, Dalton, Mass. Ledger** and record paper. Gal. F-10 560

132a. **Weston Paper & Manufacturing Co.,** Dayton, Ohio. Roll paper, cutters and holders. Gal. F-9 558

S'c'rs to E. B. Weston & Co., Mfrs. Climax and Columbia cutters, Nickel and Japan.

133. **Whiting Paper Company, New York.** Paper, envelopes, visiting cards, etc. Gal. F-8 560

133a. **Williams' Typewriter Co., Brooklyn,** N. Y. Typewriter, punches and perforators. Gal. F-5 564

133b. **Williston, A. Lyman, Northampton,** Mass. Indelible inks. Gal. F-12 564

"Payson's Indelible Ink" for marking linen with any pen. Established 1834. The oldest and best. Export solicited.

134. **Wirt, Paul E., Bloomsburg, Pa.** Fountain pens. Gal. F-5 564

135. **Wyckoff, Seamans & Benedict, New** York. Typewriters and appurtenances. Gal. F-2 564

The Remington Standard Typewriter is the official writing machine of the World's Columbian Exposition. It is the oldest in

Exhibit No. Class'n No.

name and newest in improvements. Sales, over 100 machines daily. Arranged for English, French, German, Russian, Spanish, Swedish, etc., etc.

136. **Yost Writing Machine Company,** New York. Typewriters. Gal. F-2 564

GROUP 90.

Furniture of Interiors, Upholstery and Artistic Decorations.

Exhibits in this group are installed in Section N, Blocks 1, 2 and 3; Section O, Block 2; Section P, Block 2, and Section Q, Block 1, and Gallery F and G.

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138. **Adams & Westlake Co., Chicago.** Brass bedsteads. N-2 565

139. **American Saloon Fixture Company,** Chicago. Saloon furniture. Q-1 566

Makers saloon fixtures. Office, 184-186 Washington St. Branch house, St. Louis, Mo.

140a. **Andrews, A. H., & Co., Chicago.**
a Folding beds, chairs and school apparatus. P-2 565
b Office and bank furniture. 572

Workers in wood and metals. Office desks. See fittings in Chemical National Bank in Administration Building, made by this company, who lead in this line. They also make a specialty of weightless folding beds, metal chairs for desks, typewriters and piano use. Also all kinds of school supplies, etc.

142. **Berkey & Gay Furniture Co., Grand** Rapids, Mich. Suites of furniture. Q-1 567

143. **Boughton, John W., Philadelphia.** Parquet floors, fret and grill work. Q-1 571

144. **Brunswick - Balke - Collender Company,** Chicago. Furniture for club, billiard and bar-rooms. Q 1 572

Billiard and pool tables, bar fixtures, refrigerators and cooling rooms. We manufacture bank and office fixtures and interior hardwood finish of every description. Chicago salesrooms, 263 & 265 Wabash Ave. Also New York, Cincinnati and all principal cities in the United States.

145. **Buffalo Brass & Iron Bedstead Co.,** Buffalo, N. Y. Brass and iron bedsteads. N-2 565

146. **Buxbaum, Leopold, Chicago. Restaurant table.** Q-1 566

147. **Central Manufacturing Company,** Chicago. Office furniture. O-2 566

148. **Child, Geo. F., Chair Co., Chicago.** Adjustable chairs. O-2 565

Exhibit No. Class'n No.

150. **Clark, E. B., & Co., Chicago. Mouldings and picture frames.** O-2 569

Framed pictures for department stores.

151. **Dean & Co., Chicago. Bamboo furniture.** Q-1 567

152. **Demme & Dierkes Furniture Co.,** Chicago. Chamber suites. O-2 567

We have the largest and best equipped furniture factory in the world. "Capacity," a chamber suite and folding bed every two minutes.

153. **Derby & Kilmer Desk Co., Boston** Office furniture. P-2 566

154. **Dibblee, Henry Company, Chicago** Furniture, mantels and decorations. N-2 57?

155. **Drake Company, St. Paul, Minn** Petrified wood bric-a-brac. Q-1 57?

155a. **Dunfee, J., Chicago. Wood carpet** Gal. G-13 57?

156. **Ehman & Simon Manufacturing Co.** Chicago. Wood mantels and interior finishing. P-2 57?

Factory corner Elizabeth and Fulton sts Sample room C, 307 Wabash ave.

156a. **Feige Desk Co., Saginaw, Mich** Desks. Q-1 56?

156b. **Ford, J. S., Johnson & Co., Chicago.** Furniture. P-2 56?

156c. **Frost Veneer Seating Co., Chicago** Furniture, wainscoting, etc., O-2 57?

157. **Garden City Billiard Table Company** Chicago. Billiard tables, cues, balls, etc P-2. 56?

158. **Gendron Iron Wheel Company** Toledo, Ohio. Reed furniture and bamboo novelties. Q-1. 55?

158a. **Gensch & Hartmann, Chicago** Carved furniture. P-2 56?

158b. **Grand Rapids Furniture Manufacturers' Collective Exhibit, Grand Rapids** Mich. O-2

1. Berkey, W. A., Furniture Co.
2. Goshen Sweeper Co.
3. Grand Rapids Brass Co.
4. Grand Rapids Chair Co.
5. Grand Ledge Chair Co.
6. Gunn Folding Bed Co.
7. Kent Furniture Manufacturing Co
8. Nelson, Matter & Co.
9. New England Furniture Co.
10. Royal Furniture Co.
11. Sligh Furniture Co.
12. Stow & Davis Furniture Co.
13. Stickley Bros. Co.
14. Sweet M. L.
15. Welch Folding Bed Co.
16. Valley City Rattan Co.
17. Widdicomb Furniture Co.

Furniture of Interiors, Upholstery, and Artistic Decorations.

Exhibit No. — Class'n No.

161. Hamline, L. M., & Co., Chicago. Chamber suites. O-2 567

161a. Hartshorn Stewart Company, Chicago. Self-acting shade rollers. Gal. F-14 568

Stewart Hartshorn, Pres., original inventor of self-acting spring rollers. This business was started in 1849; incorp. Feb., 1893; cap. stock, $1,250,000. Large m'f'g plants: E. Newark, N. J.; Muskegon, Mich.; Toronto, Can. Offices: N. Y. City and 209 Monroe St., Chicago. Medals from eight world's fairs.

161b. Henderson-Ames Co., Kalamazoo, Mich. Lodge furniture. N-1 572

162. Herts Brothers, New York. Furniture decorations and draperies. N-2 572

Architectural woodworkers and designers. Estimates made on artistic cabinet work for private residences from original designs or from architects' plans. Have always in stock finest examples of work in all the latest styles at their warerooms, Broadway and 20th street, New York City.

163. Horn Bros. Manufacturing Company, Chicago. Chamber suites, sideboards and chiffoniers. O-2 567

164. Hornung Manufacturing Company, Chicago. Barber shop fittings. P-2 572

165. Hunzinger, Geo., & Son, New York. Chairs, sofas and tables. Q-1. 565

Chairs of all descriptions, novel construction, bound with steel rods concealed. Tables with four or more independent chairs forming part of table when closed.

167. Indianapolis, Ind., Unified Furniture Exhibit, composed of the following firms: O-2

1. Blacklege, John W. Display cases. 567
2. Cabinet Makers' Union. Extension table. 566
3. Central Chair Co. Rocking and dining-room chairs. 565
4. Huey, M. S., & Son. Mantels. 570
5. Indianapolis Cabinet Co. Desks. 566
6. Indianapolis Cabinet Makers' Union. Extension table. 566
7. Krause-Kramer Manufacturing Co. Duplex mirror and couch. 567
8. Lauter, H. Center and library tables. 566
9. Laycock, T. B., Manufacturing Co. Children's beds and springs. 565
10. Ott, L. W., Manufacturing Co. Turkish couch. 565
11. Stechhan, Otto, & Co. Bed lounges. 565

169. Jansen, Ed., New York. Interior decorations. N-2 572

New wall and ceiling decorations, transoms, etc. Decorated reed and raffia furniture, baskets, etc. 124 W. 19th St.

170. Kane, Thos., & Co., Chicago. Postoffice furniture. P-2 572

Opera chairs, church chairs and pews, railroad settees, lawn settees, postoffice furniture and fittings. 139 Wabash Ave.

171. Karpen, S., & Bros., Chicago. Parlor furniture. O-2 567

172. Kinnear & Gager Co., Columbus, Ohio. Ceiling and wainscoting. Q-1. 571

173. Klaber, S., & Co., New York. Mexican onyx and other marble and bronze ornamentations. N-2 572

Chimney pieces, pedestals, tables, lamps, etc., in Mexican onyx and other rich marbles and bronze. Interior decorations in marble. Address 47 West 42d St., New York.

175. Kochs, Theo. A., Chicago. Barbers' supplies. P-2 572

176. Lewis, P. C., Manufacturing Co., Catskill, N. Y. Reclining chairs. O-2 565

178. Marks Adjustable Folding Chair Company, Chicago. Folding chairs. P-2 565

Manufacturers of adjustable, reclining and folding chairs, library and invalid supplies and rolling chairs.

179. Meriden Curtain Fixture Co., Meriden, Conn. Window shade fixtures. Gal. F-14 568

180. Metropolitan Air Goods Company, Boston. Air mattresses, cushions and life-saving goods. Gal. F-12 565

181. Midland Desk Manufacturing Company, Chicago. Office desks. P-2 566

182. National Wall Paper Co., New York.

a Wall papers. N-3 572
b Shade rollers. Gal. F 568

Manufacturers of all grades of wall papers, Lincrusta-Walton and shade rollers. Exhibitors of this company for competition:

H. Bartholomae & Co.
Fr. Beck & Co.
Robert Graves Co.
Nevius & Haviland.
Warren, Fuller & Co.

Executive offices, No. 1286 Broadway, N. Y.

183. New Haven Chair Company, New Haven, Conn. Chairs. P-2 565

The largest manufacturers in the United States of fancy folding and rolling chairs, bath cabinets, etc. Our rolling chairs are used in the U. S. Government hospitals.

Furniture of Interiors, Upholstery, and Artistic Decorations.

Exhibit No. — Class'n No.

184. **Nevius & Haviland, New York.** Spring shade rollers. Gal. F-14 568
Manufacturers of "Efficient" Automatic Spring Shade Rollers. Branch of National Wall Paper Co. Capital stock, $30,000,000. Factory, Vergennes, Vt. Offices, 500 West 42d St., New York; 134 Wabash Ave., Chicago, Ill.; Philadelphia, Pa., Pittsburg, Pa. Proprietors of the patent "Efficient" bracket.

185. **Olsen, O. C. S., & Co., Chicago.** Desks and combination bed. O-2 567

187. **Passow, Chas., & Sons, Chicago.** Bar and billiard-room fixtures, etc. Q-1 572

188. **Peterson, A., & Co., Chicago.** Desks. Q-1. 566

189. **Phillipson, Emil, Chicago.** Artistic decorations, P-2 572

190. **Plimpton, H. R., & Co., Boston.** Sofas and bed lounges. Q-1. 565
The Plimpton sofa beds are unquestionably the finest and best in the world, having many features of merit not to be found in any other make. Send for catalogue.

192. **Richter, August F., Chicago.** Mirrors, picture frames and mouldings. O-2 569

193. **Reuhl Moulding Manufacturing Company, Cincinnati.** Picture frames and picture frame mouldings. N-2 569

194. **Rockford, Ill., Unified Furniture Exhibit, composed of the following firms:** O-2
1. American Furniture Co. Sideboards. 567
2. Central Furniture Co. Hall chairs. 565
3. Excelsior Furniture Co. Parlor chairs. 565
4. Forest City Furniture Co. Hall trees. 567
5. Illinois Chair Co. Dining-room chairs. 565
6. Mechanics Furniture Co. Music cabinet. 566
7. Palace Folding Bed Co. Folding beds. 567
8. People's Mantel & Furniture Co. Mantels. 570
9. Rockford Cabinet Co. Parlor mantel and chevals. 570
10. Rockford Chair & Furniture Co. Parlor cabinet. 566
11. Rockford Co-operative Co. Conversation chair. 565
12. Rockford Desk & Furniture Co. Parlor table. 566
13. Rockford Folding Bed Co. Folding bed. 567
14. Rockford Mantel & Furniture Co. Hall mantel. 570
15. Rockford Standard Furniture Co. China closet. 567
16. Rockford Union Furniture Co. Sideboards. 567
17. Royal Mantel & Furniture Co. Dining room mantel. 570
18. Scandia Furniture Co. Dining room tables. 566
19. Star Furniture Co. Chiffoniers. 567
20. West End Furniture Co. Ladies' desks. 566

195. **Rothschild's, R., Sons Co., Cincinnati.** Bar-room equipments. Q-1 572

195a. **Royal Furniture Co., Grand Rapids,** Mich. Miscellaneous cabinet ware. Q-1 567

196. **Sanguinetti, Percy A., Chicago.** Folding beds. N-2 567

196a. **Sargent Manufacturing Co., Muskegon,** Mich. O-2
a Reclining chairs. 565
b Revolving bookcases. 567

197. **Schlesinger, Wiessner & Co., South** Brooklyn, N. Y. Metallic beds, steel furniture, etc. N-2 565

198. **Schwarzwaelder, Wm., & Co., New** York. Roll top desks. P-2 566

200. **Sheboygan Chair Company, Sheboy-**gan, Wis. Chairs. P-2 565

201. **Smith, B. & W. B., New York.** Office and store furniture. Q-1 566
Dust tight wall cases and patent dust tight counter cases with perpendicular sliding doors. Plate glass cases made without a molding or frame, forming a glass case without any wood. Cases all shapes in bent glass. We bend our own glass. We make to order only. Correspondence solicited.

201a. **Sprague, Smith & Co., Chicago.**
a Hat racks, etc. O-2 567
b Mantels. 570

202. **Steinman, L. E., Co., Chicago.** Iron folding beds. O-2 565

203. **Sypher & Co., New York.** Tapestries, souvenirs of Emperor Napoleon I, etc. Gal. G-14 572

203a. **Tiffany Glass & Decorating Co.,** New York.
a Chairs. N-1 565
b Tables. 566
c Suits of furniture. 567
d Upholsteries. 568
e Mirrors. 569
f Mantels. 570
g Artistic furnishings. 572
h Embroideries. 573

Ceramics and Mosaics, Marble, Stone and Metal Monuments.

Exhibit No. — Class'n No.

204. **Wemple, Jay C., Co., Chicago.** Window shades and shade rollers. Gal. F-14 568

205. **Wenter Co., The F., Chicago.** Hat-racks, china closets and cabinets. O-2 566
Salesroom, 302 Wabash ave., 4th floor.

206. **Whitcomb Metallic Bedstead Company,** Birmingham, Conn. Brass and iron beds and mattresses. N-2 565

206a. **White, F. E., Cactus Manufacturing Co.** Phœnix, Ariz. Q-1
a Miscellaneous cactus goods. 566
b Furniture and veneers. 567
c Frames, etc. 569

206b. **Wilnau, Simon, Simons, Ill. Mirrors.** O-2 569

207. **Windsor Folding Bed Company,** Chicago. Folding beds, tables, chairs, etc. P-2 565

GROUP 91.

Ceramics and Mosaics.

Exhibits in this group are installed in Sections H, O, and N and Gallery F.

207a. **Alabastine Co., Grand Rapids, Mich.** Alabastine. Gal. F-1 579

210a. **Brown & Eberhardt, Philadelphia.** China bric-a-brac, statuary, etc. H-1 576

211a. **Caretti, J., & Co., Chicago.** Roman mosaics. H-1 580
Roman marble mosaic, 232 Michigan Street.

216. **Celoden Terra Cotta Company, Alfred Centre, New York.** Terra cotta tiles. H-1 574

223. **Fiske, Holmes & Co., Boston.** Bricks and terra cotta. H-1 574

224. **Galloway, Wm., Philadelphia.** Ornamental terra cotta and decoration. H-1 574

224a. **Graham Pressed Concrete Co. Chicago.** Manufactured stone. H-1 574

226. **Healey, M. & E., Washington, D. C.** Decorated china and chryso-ceramics. O-1 576
This exhibit will be found in the gold and silverware, plate group No. 97. The gold used in this china decoration is warranted pure, very durable, retains its luster and quality, and is easily cleaned.

227. **Hydraulic-Press Brick Co., St. Louis.** Collective exhibit of pressed brick. H-1 574
1. Chicago Hydraulic-Press Brick Co., Chicago.
2. Eastern Hydraulic-Press Brick Co., Philadelphia.
3 Findlay Hydraulic-Press Brick. Co., Findlay, O.
4. Hydraulic-Press Brick Co., St. Louis.
5. Illinois Hydraulic-Press Brick Co., Collinsville, Ill.
6. Kansas City Hydraulic-Press Brick Co., Kansas City, Kas.
7. Northern Hydraulic-Press Brick Co., Minneapolis, Minn.
8. Omaha Hydraulic-Press Brick Co., Omaha, Neb.
9. Washington Hydraulic-Press Brick Co., Washington, D. C.

227a. **Lawton Brick & Tile Co., Chicago.**
a Bricks. H-1 574
b Tiles. 578

227b. **Low Art Tile Co., Chelsea, Mass.** Art tiles. H-3 573

227c. **Marezzo Marble Co., Chicago.** Imitation marble. H-2 574

236. **Northwestern Terra Cotta Company,** Chicago. Terra cotta. H-1 574

241. **Pioneer Fire Proof Construction Company,** Chicago. Fire clay and terra cotta fire proofing. H-1 574
Patentees, manufacturers and contractors. Every description of hollow, solid and porous tile for fire-proofing buildings. Contracts taken in all parts of the United States. Factories: Ottawa, Ill., and St. Paul, Minn.

244. **Rookwood Pottery Company, Cincinnati.** Artistic pottery. N-1 575
Decorative faience and mural decorations in underglaze. Gold medal Paris, 1889.

246a. **Tiffany Glass & Decorating Co., New York.**
a Tiles. N-1 578
b Decorations. 579
c Mosaics. 580

247. **Tiffany Pressed Brick Company,** Chicago. Brick and roofing tiles. H-1 574

248. **United States Potters' Association.** Collective exhibit. (See special page.)

249a. **Zallee, John C., Chicago.** Fire and water-proof roofs. H-3 574

GROUP 92.

Marble, Stone and Metal Monuments, Mausoleums, Mantels, etc. Caskets, Coffins and Undertakers' Furnishing Goods.

Exhibits in this group are installed in Sections H, Block 2, and N, Block 1.

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250. **Barre Manufacturing Company, Barre, Vt.**
a Granite monuments. 581
b Granite fountains. 582
c Granite mantels, etc. 583

Exhibit No. — Class'n No.

251. **Bowers, R. C., Granite Company,** Montpelier, Vt. Monuments. 581

254. **Granite Manufacturers' Association** of Quincy, Mass. Granite monuments and artistic memorials. 581

258. **Tiffany Glass & Decorating Co.,** New York.
   a Marble monuments. N-1 581
   b Marble ornaments. 582
   c Marble mantels. 583

259. **Vermont Marble Company, Proctor,** Vt. Rough and manufactured marble. 581
The largest producers in the world of monumental and building marble. Branches, Boston, New York, Philadelphia, Cleveland, Detroit, Chicago, St. Louis, San Francisco.

GROUP 93.

Art Metal Work—Enamels, Etc.

Exhibits in this group are installed in Sections G, Block 3, H, Blocks 1 & 2 and N, Block 1.

262. **American Bronze Company, Chicago.** Bronze statues and castings. H-1 585

263. **Monumental Bronze Company,** Bridgeport, Conn. Monuments, statuary, medallions, busts, etc. G-3 585

264. **Nicholas Mueller Art Bronze Company,** New York. Bronze and electro-bronze statuettes. G-3 585

265. **Gorham Manufacturing Co., Providence,** R. I.
   a Bronzes. N-1 585
   b Repousse and chiseled work, cloisonne enamels. 586

265a. **Power, Maurice J. New York.** Bronze statuary. H-2 585

266. **Tiffany Glass and Decorating Co.,** New York. Art metal work, bronzes, bas-reliefs, iron forgings, repousse and chiseled work. N-1 585

267. **Western White Bronze Company,** Des Moines, Ia. Monuments, statuary, busts, medallions, etc. G-3 585

GROUP 94.

Glass and Glassware.

Exhibits in this group are installed in Sections H, Block 1, N, Block 1, and Gallery F, Blocks 1 and 13.

267a. **Androvette, Geo. E., & Co., Chicago.** Cut glass ware. Gal. F-13 592

Exhibit No. — Class No.

268. **Diamond Plate Glass Compan** Kokomo, Ind. Plate glass. H-1 58

268a. **Gorham Manufacturing Co., Prov** dence, R. I. Cut glass for table and o namental purposes. N-1 59

269. **Hicks, F. M., & Co., Chicago. Floo** skylight and ornamental work in iron ar glass. Gal. F-1 59

269a. **Hoare, J., & Co., Corning, N. Y** Cut, engraved and rock crystal cutting. N-1 59

270. **Libby Glass Co., Toledo, Ohio. C** glassware. H-1 59

271. **Macbeth, Geo. A., Co., Pittsburg, P** Optical and lamp glasses. H-1 59

271a. **Prugh, Conroy & Co., Allegheny, P** Mirrors. H-1 58

272. **Straus, L. & Sons, New York.**
   a Cut glassware. H-1 59
   b Fancy glassware. 59
Manufacturers and importers of glasswa and pottery. The largest house in its lin in the world. Factories as follows:
Cut glassware, New York City.
French china, Limoges, France.
Art pottery, Rudolstadt, Thuringia.
Bohemian glassware, Steinschoenau B'hm.
Bohemian china, Carlsbad, Bohemia.
Paris office, Avenue de l' Opera.

272a. **Suess Ornamental Glass Co., Chicag**
   a Plate and beveled glass. H-1 58
   b Enameled glass. 59

272b. **Tiffany Glass & Decorating Co., Ne** York.
   a Onyx glass. N-1 59
   b Glass mosaics, etc. 59

272c. **U. S. Glass Co., Pittsburg, P** Glassware. H-1 59

273. **Wire Glass Company, Philadelphi** Wire glass. H-1 59

273a. **Zihlmann Glass Co., North Balt** more, Ohio. Fine blown glassware. H-1 59

GROUP 95.

Stained Glass in Decoration.

Exhibits in this group are installed i Sections N, Block 1, H, Block 1 and Ga lery, Section F.

274. **Androvette, Geo. E., & Co., Chicag** Decorative glass. Gal. F-13 59
Domestic and ecclesiastical glass worker Memorial windows, brasses, etc. Bevele plate glass set in copper frame.

275a. **Continental Stained Glass Work** Boston. Stained glass. Gal. F-10 59

Exhibit No. — Class'n No.

276. **Flanagan & Biedenweg, Chicago.** Art glass. Gal. F-13 596
For private residences, churches and public buildings. Owners and manufacturers of "Henderson's Patent" adjustable metallic sash in all kinds of metal, for all purposes in glass and fancy beveled mirror work; also beveled, mitred, cut, sand blast, embossed and ground glass.

276a. **Gorham Manufacturing Co.,** Providence, R. I. Ecclesiastical stained glass work. N-1 597

277. **Healey & Millett, Chicago.** Stained glass. Gal. F-9 596

280. **McCully & Miles, Chicago.** Stained glass windows and interior decoration. Gal. F-9&13 596
Every description of stained glass work for residences and churches. Memorial figure windows. Beveled glass of every variety. Mosaics in glass. Interior decorations in artistic and modern designs. Imported and domestic wall paper.

281. **Rawson & Evans, Chicago.** Sand-blast and ornamental glass. Gal. F-9 596
Specialties: Fine chipped glass and crystalline plate glass signs. Own patents.

282. **Reith, Wm., Philadelphia.** Art stained glass. Gal. F-10 596

282a. **Suess Ornamental Glass Co., Chicago.** Stained glass. H-1 596

283a. **Tiffany Glass & Decorating Co., New York.**
a Domestic stained glass. N-1 596
b Ecclesiastical stained glass. 597

284. **Wells Glass Company, Chicago.** Art stained and ornamental glass. Gal. F-10&13 596

GROUP 96.

Carvings in Various Materials.

Exhibits in this group are installed in Sections N, Block 1, and P, Block 2.

285. **Lund, Rud, Knoxville, Tenn.** Wood carving. P-92 598
Subject, World's Fair, Greek structure.

286. **Tiffany Glass & Decorating Co., New York.**
a Wood carving. N-1 598
b Ivory carving. 599
c Engraved glass. 602

GROUP 97.

Gold and Silverware, Plate, etc.

Exhibits in this group are installed in Section N, Block 1, with one exception.

Exhibit No. — Class'n No.

292. **Benziger Bros., Chicago.** Catholic church supplies. N-1 604
Also New York and Cincinnati. Publishers and booksellers. Gold and silversmiths. Art embroidery and regalia. Sole agents for U. S. for the celebrated religious statues of Froc Robert, Paris (H. Poiret, successor), and "The Royal Bavarian Art Institute," for stained glass, F. X. Zettler, Munich.

294. **Diepenbrock & Uchtman, New York.** Church vestments; flags and banners. N-1 604

295. **Dirksen, G., Silver Filigree Manufacturing Company, Freeport, Ill.** Silver filigree goods. N-1 607

297. **Gorham Manufacturing Company,** Providence, R. I. Silver and plated ware, etc. N-1 605

298. **Henderson-Ames Co., Kalamazoo,** Mich. Swords, regalia, lodge jewels, etc. N-1 604

299. **Holmes & Edwards Silver Co.,** Bridgeport, Conn. Silver plated ware. N-1 609
Sterling silver inlaid spoons and forks, guaranteed 25 years. Gold and silver plated table flatware. Salesrooms, 65 Washington St., Chicago, and 2 Maiden Lane, New York.

300. **Manhattan Silver Plate Company,** Lyons, N. Y. Gold and silver-plated hollowware. N-1 609

301. **Meriden Britannia Company, Meriden,** Conn. Silver plated ware. N-1 609

302. **Mermod & Jaccard Jewelry Co., St. Louis.**
a Silverwares. O-1 604
b Diamond jewelry. 613
Section O, Block 1. This "Gem" of the Columbian Exposition magnificently idealizes "Saint Louis" (Louis IX) and Louis Quinze (Louis XV), the city being named after Louis IX, and founded during the renowned period of French Art under Louis XV. Diamond setters, watch and clock makers, manufacturing gold and silversmiths, importers of art potteries, fine dinner wares, bronzes and music boxes. "Lowest priced house in America for fine goods."

303. **Messmer Company, Andrew, Cincinnati.** Church ornaments, altar decorations, etc. N-1 604

Gold and Silverware, Jewelry, Horology.

Exhibit No. — Class'n No.

304. **Pairpoint M'f'g Co., New Bedford,** Mass. Silver plated ware. N-1 609
Western salesroom 224 Wabash Ave., Chicago. G. J. Corey, manager. World's Fair visitors invited.

305. **Rogers, Wm., Manufacturing Company,** Hartford, Conn. Silver, gold and silver plated ware. N-1 605
Knives, forks, spoons, table cutlery. Sterling silver, German silver, nickel silver, hollowware, hard metal, and Britannia. Factories: Hartford, Norwich, Conn.; Taunton, Mass.

306. **Rogers & Bro., Waterbury, Conn.** Silver plated ware. N-1 609
The original and genuine "Rogers" knives, forks, spoons, etc., made for the past half century by Rogers & Bro., Waterbury, Conn. Brand, *Rogers & Bro. A1. Triple plate, warranted for 25 years. Beware of imitations of this brand and copies of our designs. Sold by the best dealers everywhere.

307. **Tiffany & Co., New York.** Silverware, jewelry, watches, clocks, etc. N-1 605
Silver plated ware, cutlery, wares of mixed metals, minerals, precious stones, cut and uncut, clocks, fine leather goods, stationery, copper plate engraving, fancy articles of gold, silver, bronze, ivory, enamel, etc. Grand Prix and Legion of Honor, Paris Exposition, 1878 and 1879.

308. **Tufts, James W., Boston.** Silver plated ware. N-1 610

309. **Whitehead & Hoag, Newark, N. J.** Society goods, fancy novelties, etc. N-1 604

310. **Wymble Manufacturing Company,** Newark, N. J. Silverware. N-1 605

GROUP 98.

Jewelry and Ornaments.

Exhibits in this group are installed in Section N, Block 1, and Section O, Block 1.

313. **Bell & Barber, New York.** Jewelry and ornaments. N-1 612-16

316. **Browns Amber M'f'g Co., New York.** Amber products. N-1 614

317. **Canini, J. A., Saratoga Springs, N. Y.** Jewelry. N-1 612

320. **Corbin, D. R., New York.** Jewelry. N-1 616

322. **Favre, Leon, New York.** Process of transferring portraits from a photograph on watches, lockets, etc. N-1 612

326. **Gaynor & Washburne, New York.** Interchangeable jewelry. N-1 616

Exhibit No. — Class'n No.

332. **Kent & Stanley Co., Providence** R. I. Jewelry. O-1 61
Largest manufacturers in the United State of watch chains and jewelry. The displa of hundreds of their leading patterns i watch chains, charms, lockets, pins an sterling silver novelties, make this one o the most interesting and artistic exhibits a the Fair.

333. **Muhr's H., Sons, Philadelphia, Jew**elry and thimbles. O-1 61
Crown Trade Mark.

334. **New England Manufacturing Jew**elers' Association of Providence, R. I Collective Exhibit. (See special page).

339. **Ostby & Barton, Providence, R. I** Jewelry. N-1 61

342. **Potter, Wm. K., Providence, R. I.** Tortoise shell combs, jewelry, etc. N-1 61

345. **Reynolds Jewelry Company, Provi**dence, R. I. Plated jewelry. N-1 61

348. **Simmons, R. F., & Co., Attleboro** Mass. Jewelry. N-1 61
Makers of world-renowned "R. F. S. & Co. gold filled, rolled gold plated chain. Sen for catalogue. N. Y. office, 41 Maiden Lane

349. **Tiffany Glass & Decorating Co.** New York. Onyx ornaments. N-1 61

GROUP 99.

Horology, Watches, Clocks, Etc.

Exhibits in this group are installed i Section O, Block 1, with one exception.

350. **American Waltham Watch Com**pany, Waltham, Mass. Watch move ments and automatic watch making. O-1 61

351. **Ansonia Clock Company, Chicago** Clocks. 62

352. **Bundy Manufacturing Co., Bingham**ton, N. Y. Automatic time recorders. O-1 62

361. **Keystone Watch Case Company** Philadelphia. Watch cases. O-1 61

362. **Muhr's, H., Sons, Philadelphia.** Watch cases. O-1 61
Makers of crown filled cases.

364. **Self-winding Clock Company, New** York. Self-winding clocks and method of time distribution by electricity. N-1 62

365. **Waterbury Watch Company, Water**bury, Conn. Watches and clock. O-1 61
The new quick-winding Waterbury is a high class watch for all the people. It winds in five seconds, is an accurate jeweled time-piece, cased in various elegant designs to

Exhibit No. Class'n No.

suit all tastes; gold filled, coin-silver, and a nickel style. Sold by all jewelers. $4 to $15.

GROUP 100.

Silk and Silk Fabrics.

Exhibits in this group are installed in Section O, Block 1, with two exceptions.

366. **American Silk Label Company, New York.** Woven labels. 632

369. **Baum, C. F., Chicago. Dress trimmings.** 632

370. **Belding Bros. & Co., Chicago.**
- *a* Sewing machine twist. 626
- *b* Silks for linings. 626
- *c* Serges, surahs and satins. 628
- *d* Dress silks. 629
- *e* Braids. 632

370a. **Best, John, & Co., Paterson N. J.** Woven silk pictures, bookmarks, badges. Dept. F 629

371. **Blumenthal, A. & S., New York.** Silk ribbons. 631

372. **Brainerd & Armstrong Company,** New London, Conn. Silks and machine twist. 626

Salesrooms: Boston, New York, Philadelphia and Baltimore. Factory in New London. In wash silks we lead the world. In every line we make, we aim to excel, whether wash silks, spool silks or fabrics. Our Trade Mark expresses the ideal sought for, "The Best in the World."

373. **Castle Braid Company, New York.** Silk and mohair braids. 632

Our assortment of braids has no equal. Samples submitted on application to our New York office, 15 and 17 Mercer St.

374. **Cheney Bros., South Manchester,** Conn. Gal G-14
- *a* Plain woven silks, etc. 628
- *b* Figured silk piece upholstery goods. 629
- *c* Ribbons. 631
- *d* Silk fabrics. 627

Dress silks, printed silks, decorative silks, plush and velvets, upholstery goods, ribbons, spun silks and spun silk fabrics. Salesrooms, 477 Broome St., New York; 79 Chancey St., Boston; 186 Franklin St., Chicago.

375. **Cutter, John D., & Co., New York.**
- *a* Spool silk and machine twist. 626
- *b* Plain silks. 626
- *c* Fancy silks. 629

376. **Dexter, Lambert & Co., New York.**
- *a* Dress silks. 629
- *b* Ribbons. 631

377. **Doherty & Wadsworth, New York.**
- *a* Silk dress goods, surahs. 629
- *b* Silk ribbons. 631

378. **Elwood, B. H. & E. E., Fort Plain,** N. Y. Broad silks. 629

Salesrooms, 453 & 455 Broome St., N. Y.

379. **Empire Silk Company, New York.** Silk dress goods. 629

380. **Erskine, John, & Co., Union Hill,** N. J. Silk ribbons. 631

381. **Griswold Worsted Company, Philadelphia.** Spun silk. 625

382. **Hamil & Booth, New York.**
- *a* Dress silks, brocades. 629
- *b* Ribbons. 631

383. **Hitchcock - Meding Manufacturing** Company, New York. Gal. F-14
- *a* Satin, damask, brocatels, etc. 628
- *b* Dress silks. 629
- *c* Ribbons and tie silks. 631

384. **Jennings Lace Works, New York.** Laces, gloves, mitts, veils and scarfs. 630

385. **Johnson, Cowdin & Co., New York.** Silk ribbons. 631

386. **Kayser, Julius, & Co., New York.** Silk underwear, gloves, mitts, etc. 630

387. **Levy Bros., New York. Silk ribbons.** 631

387a. **Liberty Silk Co., New York, Dress** silks. 629

388. **McCallum Constable Hosiery Company,** Holyoke, Mass. Silk hosiery. 630

389. **McLaughlin Braid Company, Paterson,** N. J. Braids. 632

390. **Meisch Manufacturing Company, Paterson,** N. J. Silk ribbons. 631

391. **Meyenberg Corporation, Hoboken,** N. J. Silk fur and tie silk. 628

392. **Nonotuck Silk Company, Chicago.**
- *a* Silks, machine twist. 626
- *b* Silk underwear, hosiery and mittens. 630
- *c* Braids and bindings. 632

Manufacturers of Corticelli spool silk knitting and crochet silk, fast dye wash silks, machine twist, sewings, button-hole twist, Florence silk underwear, hosiery, mittens, wristers, pure dye silk braids.

393. **Pelgram & Meyer, New York.**
- *a* Dress silks. 629
- *b* Ribbons. 631

394. **Phœnix Silk Manufacturing Company,** Paterson, N. J.
- *a* Dress silks. 629
- *b* Handkerchiefs, etc. 630
- *c* Ribbons, bookmarks, etc. 631
- *d* Silk braids. 632

395. **Rhenania Mills, College Point, L. I.** Ribbons and silks. 631

Exhibit No. — Class'n No.

396. **Richardson Silk Company, Chicago.**
a Silks. 629
b Hosiery and mittens. 630
c Braids. 632
(a) Silk threads—machine, sewing, knitting, embroidery. (b) Silk hosiery and mittens. (c) Silk and mohair braids.

397. **Robertson, William, New York.** Silk curtains and upholstery silks. 629

399. **Simon, R. & H., Union, N. J.**
a Dress silks. 629
b Ribbons. 631

400. **Skinner, William, Manufacturing** Company, Holyoke, Mass.
a Serges. 628
b Linings. 630
c Braids. 632

401. **Stearns, John N., New York.** Dress silks. 629

402. **Strange, William, Company, New** York.
a Serges. 628
b Dress silks. 629
c Linings. 630
d Ribbons. 631

403. **Sutro Bros. Braid Company, New** York. Trimming braids. 632

404. **Trevor, William, New York.** Cravats, handkerchiefs, ties, etc. 630

406. **Wahnetah Silk Company, Catasauqua, Pa.** Silk plushes. 628

407. **Werner, Itschner & Co., Philadelphia.**
a Dress goods. 629
b Silk ribbons. 631

GROUP 101.

Fabrics of Jute, Ramie and Other Vegetable and Mineral Fibres.

Exhibits in this group are installed in Gallery, Section. F, Blocks 12 and 14.

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408. **Asbestos Specialty Company, Buffalo, N. Y.** Asbestos articles. Gal. F-14 637

409. **Blabon, Geo. W., & Co., Philadelphia.** Oil cloth and linoleum. Gal. F-12 636

410. **Johns, H. W., Manufacturing Company, New York.** Asbestos materials, woven, spun, felted, etc. Gal. F-14 637
Asbestos roofing, liquid paints, fire-proof paints, roof and floor paints, asbestos steam pipe and boiler coverings, steam packings, coatings, cements, etc. Asbestos cloths, twine and fabrics, vulcabeston, electrical and mechanical materials, molded mica insulations, etc.

411. **Pantasote Leather Company, New** York. Substitute for leather. Gal. F-12 636

412. **Potter, Thos., Sons & Co., Philadelphia.** Oil cloth and linoleum. Gal. F-12 636

413. **Tannette Manufacturing Company,** New York. Leather imitation for furniture, etc. Gal. F-12 636

GROUP 102.

Yarns and Woven Goods of Cotton, Linen and Other Vegetable Fibres.

Exhibits in this group are installed in Sections O, Block 1, P, Block 1, and Gallery, Section F.

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414. **Aberfoyle Manufacturing Company,** Chester, Pa. Cotton fabrics. 638
Fine fancy shirtings, zephyrs, ginghams and novelties in fine cotton and cotton and silk mixed fabrics, for dress goods and shirtings. New York office, 256 Church st.

415. **Allendale Company, North Providence, R. I.** Bleached and brown sheetings. 638

416. **Amory Manufacturing Company,** Manchester, N. H. Bleached and brown cottons. 638
John L. Bremer & Co., selling agents, Boston and New York.

417. **Amoskeag Manufacturing Company,** Manchester, N. H. Ginghams, tickings, shirtings, checks, canton flannels. 638

418. **Appleton Company, Boston.** Eider downs, shirtings, flannels, ticks, sheetings, drills. 638

418a. **Arlington Mills, Lawrence, Mass.** Fine cotton single or twisted, for manufacturers. P-1 638

419. **Attawaugan Company, Norwich,** Conn. Bleached muslin, shirtmakers' muslin. 638

420. **Bailey, John T., & Co., Philadelphia.** Cordage, twines, bags, burlaps, etc. Gal. F-9 638

421. **Barnaby Manufacturing Company,** Fall River, Mass. Zephyr ginghams. 638

422. **Berlin Print Works, Philadelphia.** Cotton fabrics. 638
Berlin solid colors, merino and foulard finish, Berlin and Sultan Turkey reds and oil colors. Dress linings all widths and shades. Absolutely fast black satins and brocades, cashmere and merino finish. Selling agents, Wm. Simpson, Sons & Co., Philadelphia, New York, Chicago and Baltimore.

Yarns and Woven Goods of Cotton, Linen and other Vegetable Fibres.

Exhibit No. — Class'n No.

422a. **Berkeley Co., Providence, R. I.** Cambrics, lawns, linings, mulls. 638

423. **Binns' Patent Band Company, Philadelphia.** Trimmings and upholstery goods. 638

423a. **Blackstone Manufacturing Co., Providence R. I.** Shirtings and sheetings. 638

424. **Cabot Manufacturing Company,** Brunswick, Me. Cotton piece goods gray and bleached. 638

424a. **Clarendon Mills, West Boylston,** Mass. Crocheted quilts. P-1 638

424b. **Clifton Manufacturing Co., Boston.** Brown cotton. 638

424c. **Claremont Mills, Claremont, N. H.** Cotton, wide sheetings. 638

425. **Cocheco Manufacturing Company,** Dover, N. H. Cotton fabrics. 638

426. **Conanicut Mills, Fall River, Mass.** Cambric muslins. 638

427. **Davol Mills, Fall River, Mass.** Bleached muslin. 638

428. **Dwight Mills, Chicopee, Mass.** Brown, bleached, colored, printed cotton goods. 638

429. **Eddystone Manufacturing Company,** Philadelphia. Cotton fabrics. 638

Printers of Wm. Simpson & Son's mourning, silver gray and fancy prints, alpaca and delaine finish solid blacks, Canton and Brandenburg cloths, fine printed satins, guaranteed aniline black and fast colors. Selling agents, Wm. Simpson, Sons & Co., Phila., New York, Chicago and Baltimore.

430. **Farwell Mills, Lisbon, Me. Cotton** goods, gray and bleached. 638

431. **Fisher Manufacturing Company,** Fisherville, Mass. Woven cotton goods. 638

432. **Forestdale Manufacturing Company,** Forestdale, R. I. Cotton goods. 638

433. **Garner & Co., New York. Printed** cotton piece goods, calicoes, percales, sateens, etc. 638

434. **Glasgo Lace Thread Company, Glasgo,** Conn. Thread for fancy work. 638

435. **Glasgow Company, So. Hadley Falls,** Mass. Cotton goods and ginghams. 638

436. **Globe Yarn Mills, Fall River, Mass.** Cotton yarns. 638

437. **Great Falls Manufacturing Company,** Great Falls, N. H. Brown, bleached, colored, printed cotton goods. 638

438. **Greene, S. H., & Sons, Providence,** R. I. Cotton goods, calicoes, lawns, sateens, flags and decorations. 638

439. **Greenville Manufacturing Company,** Smithfield, R. I. Bleached muslins. 638

Exhibit No. — Class'n No.

440. **Grosvenor Dale Company, Grosvenor** Dale, Conn. Cotton goods, gray and bleached and cotton handkerchiefs. 638

441. **Hadley Company, Holyoke, Mass.** Cotton yarns and threads. 638

442. **Hamlet Mills, Woonsocket, R. I.** Shirtmakers' bleached muslin. 638

442a. **Hope Co., Providence, R. I.** Bleached and gray shirtings of medium grade. 638

443. **Jackson Company, Boston. Cotton** sheetings, flannels, etc. 638

444. **Kneedler & Co., Philadelphia.** Woven cotton goods. 638

445. **Knight, B. B., & R., Providence,** R. I. Cotton goods. 638

446. **Knitted Mattress Company, Canton** Junc., Mass. Cotton fabrics. Quilted by a knitted process. Gal. F-14 638

447. **Lancaster Mills, Boston. Ginghams.** 638

448. **Lapham, Enos, Centreville, R. I.** Cotton goods and bleached muslins. 638

448a. **Lonsdale Co., Providence, R. I.** Sheetings, shirtings, cambrics, twills, sateens and hollands. 638

Model of Ann and Hope Mill, Lonsdale, R. I.

449. **Lyman Mills, Holyoke, Mass.** Brown, bleached, colored, printed cotton goods. 638

450. **Manville Company, Providence, R. I.** Cotton piece goods. 538

Plain and fancy cotton dress goods, fine chambrays, coin and fancy spot curtains, plain and brocade sateens, novelties in cotton goods. Oelbermann, Dommerich & Co., 67 Worth street, New York, selling agents.

451. **Merrimack Manufacturing Company,** Boston. Printed cotton goods. 638

White goods. shirtings, indigos, tartan reds, Columbia chambrays, fancy prints, fast color draperies, challies, Llama cloth, satins, corduroy, velveteen. Goods for cap, shirt and wrapper cutters. Fine yarn fabrics a specialty. Wheelwright, Eldredge & Co., selling agents, New York, Boston.

452. **Methuen Company, Boston. Fancy** cotton fabrics, awning stripes, ticking, duck, etc. 638

452a. **Monadnock Mills, Claremont, N. H.** Marseilles quilts and sheeting. P-1 638

453. **Monohansett Manufacturing Company,** Putnam, Conn. Bleached muslin. 638

454. **Morse Mills, Putnam, Conn.** Bleached muslin. 638

Cotton Goods, Woolen Goods.

Exhibit No. — Class'n No.

455. **Nashua Manufacturing Company,** Boston. Cotton flannels, sheetings, brown and bleached, table feltings, domets, drills, etc. 638

456. **Naumkeag Steam Cotton Co., Salem,** Mass. Sateens, cotton goods, bleached and unbleached. 638

John L. Bremer & Co., selling agents, Boston and New York.

457. **New York Mills, New York.** Cotton goods, white and colored, muslins, jeans, cottonades, camlets, etc. 638

458. **Nightingale Mills, Putnam, Conn.** Cotton goods, bleached muslins. 638

459. **Overland Cotton Mills, Denver, Col.** Sheetings and flannels. 638

460. **Pacific Mills, Lawrence, Mass.** Cotton fabrics, printed and dyed. 638

462. **Pemberton Company, Boston.** Fancy cotton fabrics, shirtings, toweling, ticking, etc. 638

463. **Ponemah Mills, Providence, R. I.** Fancy cotton goods, white and printed. 638

464. **Powhatan Mills, Putnam, Conn.** Cotton goods, shirtings and sheeting. 638

465. **Sanford Spinning Company, Fall** River, Mass. Cotton yarns. 638

466. **Slater Cotton Company, Pawtucket,** R. I. Cotton goods, bleached muslins. 638

467. **Slater, John W., Providence, R. I.** Cotton goods. 638

Mills at Slatersville, R. I. Ginghams, napped goods, cheviots, shirtings. Selling agents O. H. Sampson & Co., N. Y., Boston, Phila.

467a. **Standard Oil Company, Troy N. Y.** Wicks. Dept. E 638

468. **Stark Mills, Manchester, N. H.** Cotton goods, sheetings, drillings, duck, bags, etc. 638

469. **Star & Crescent Mills Co., Philadelphia.** Pile fabrics; cotton and linen toweling. 638

Bath accessories: Turkish towels bleached and unbleached of all grades. Flesh mitts, wash cloths, bath blankets, bath-room rugs, Turkish robes and slippers for men, women and children. Our exhibit (Sec. 29, No. N-50), Machinery Hall, will explain the manufacture, superiority and cheapness.

470. **Stevens Linen Works, Boston.** Linen crash. 639

471. **Thompson, James, & Co., Chicago.** Twines, mosquito nets, buckram and screen cloth. 638

472. **Thompson, James, & Co., Valley** Falls, N. Y. Twines, mosquito nets, buckram, etc. 638

Office and salesroom: 42 Franklin street, New York. Branch salesroom: 221 E. Kinzie street, Chicago. Specialties: Upholstery, mattress and broom twines.

473. **Trion Manufacturing Company, Trion** Factory, Ga. Cotton goods, sheetings, shirtings and southern domestics. 638

474. **Valley Falls Company, Valley Falls,** R. I. Cotton goods, ginghams and wash fabrics. 638

475. **Wamsutta Mills, New Bedford,** Mass. Sheetings and fine white goods, lawns and nainsooks. 638

476. **Whittenton Manufacturing Company,** Taunton, Mass. Colored cotton fabrics. 638

477. **Wilkes-Barre Lace Manufacturing** Company, New York. Cotton lace curtains. 638

478. **Williamsville Manufacturing Company,** Killingly, Conn. Cotton goods, brown and bleached muslins. 638

478a. **Willimantic Linen Co. of Hartford,** Conn, Willimantic, Conn. Spool cotton. Dept. F 638

479. **Woods, Joseph W., & Son, Boston.** Cotton goods. 638

Glenwood works, Medford, Mass.; stores, Chicago, Boston and New York. Colored and printed cotton goods.

GROUP 103.

Woven and Felted Goods of Wool and Mixtures of Wool.

Exhibits in this group are installed in Section P, Block 1, except Classes 646 (upholstery goods) and 649 (carpets), which are installed in Gallery, Sections F and G.

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480. **Allen, L. L., & Bros., Rochester,** N. Y. Fine flannels, dress goods, etc. 645

481. **American Loop Fabric Company,** Brooklyn, N. Y. Blankets, robes, rugs, etc. 642

Carriage robes, afghans, bed covers, ventilated quilts, crib blankets, upholstery goods, ornamental loop cord fabrics, durable, healthy, luxurious. Fabrics and machinery patented. Control of business for sale by A. J. Jennings, president.

482. **American Mill Company, Rockville,** Conn.

a Woolen goods, kerseys. 641

b Worsted goods, plain and fancy for men's wear. 643

Woven and Felted Goods of Wool and Mixtures of Wool.

Exhibit No. — Class'n No.

483. **Appleton Woolen Mills, Appleton, Wis.**
- *a* Yarns. 640
- *b* Woolen goods, flannels. 641
- *c* Felt goods. 648

Paper-makers' felts a specialty.

484. **Arlington Mills, Lawrence, Mass.**
- *a* Worsted yarns. 640
- *b* Worsted dress goods and coat linings. 643
- *c* Plaids, etc. 641

485. **Assabet Manufacturing Co., Maynard, Mass.** Fancy flannels, fancy cassimeres and suitings. 641

485a. **Auburn Woolen Co., Auburn, N. Y.**
- *a* Overcoatings. 641
- *b* Suitings. 643

486. **Ballardvale Mills, Ballardvale, Mass.**
- *a* Woolen yarns. 640
- *b* Fine white flannels. 641

488. **Belvidere Woolen Manufacturing Company, Lowell, Mass.** Flannels and woolen dress goods. 641

490. **Berkeley Woolen Company, Wales, Mass.** Fine kerseys and meltons. 641

492. **Blackington, S., Woolen Co., North Adams, Mass.**
- *a* Fancy cassimeres, kerseys, meltons and tricots. 641
- *b* Worsted suitings and trouserings. 643
- *c* Cheviots. 644

493. **Blackstone Woolen Company, Blackstone, Mass.**
- *a* Cassimeres, fine kerseys. 641
- *b* Worsteds. 643

494. **Bound Brook Woolen Mills, Bound Brook, N. J.**
- *a* Overcoatings, cassimeres and cloakings. 641
- *b* Unions. 644
- *c* Cotton warps. 645

495. **Broad Brook Company, Broad Brook, Conn.**
- *a* Woolen goods, fancy cassimeres. 641
- *b* Worsted coatings and suitings. 643

496. **Burlington Woolen Company, Winooski, Vt.** Beavers, fancy cassimeres, black doeskins, kerseys, etc. 641

497. **Calumet Woolen Company, Uxbridge, Mass.** All wool fancy cassimeres. 641

498. **Canoga Woolen Co., Auburn, N. Y.** Woolen goods. 641

499. **Carleton, E. G., & Sons, Rochdale, Mass.** Flannels and woolen goods. 641

Exhibit No. — Class'n No.

500. **Capps, J., & Son, Jacksonville, Ill.**
- *a* Cassimeres, broadcloths, flannels and dress goods. 641
- *b* Blankets, Indian robes and carriage robes. 642
- *c* Skirtings. 648

501. **Charlottesville Woolen Mills, Charlottesville, Va.** Woolen wear. 641

H. C. Marchant, P.; C. A. Furbush, V. P.; J. L. Cochran, Treas.; cadet gray and sky blue meltons, doeskins, kerseys. Highest standard of excellence; contract for Exposition guards coat goods; sole m'f'rs. Fine sky-blue for line officers U. S. A.; our 314 cadet official standard for letter-carrier uniforms.

503. **City Mills Company, City Mills, Mass.** Felt goods. 648

"Kensington" brand cloth finish upholstery and embroidery felt and cabinet cloth, made in 250 shades. Specially adapted for desks, tables, counters, millinery, boot linings, piano, saddlery, clothing, shoe, slipper, trimming felt, and for special purposes. Hinman Bros., Agts., New York and Chicago.

504. **Clinton Mills Company, Norwich, Conn.**
- *a* All wool dress goods. 641
- *b* Cotton warps. 645

505. **Clinton Worsted Company, Clinton, Mass.** Worsted suiting and trouserings. 643

506. **Cocheco Woolen Manufacturing Company, East Rochester, N. .H.** Woolen goods and flannels. 641

507. **Conde Swits, Oswego, N. Y.** Knit fabrics. P-1 640

508. **Connor Bros., Holyoke, Mass.**
- *a* Beavers, cassimeres and other woolen goods. 641
- *b* Worsted suitings. 643

509. **Cranston Worsted Mills, Bristol, R. I.** Worsted yarns. 640

510. **Devonshire Mills, Goff's Falls, N. H.** All wool dress goods. 641

511. **Dolan, Thomas, & Co., Philadelphia.**
- *a* Woolens. 641
- *b* Worsteds. 643
- *c* Cloakings. 645

512. **Erben, Search & Co., Philadelphia.** Yarns. 640

513. **Empire Woolen Mills, Clayville, N. Y.**
- *a* All wool fancy cassimeres and overcoatings. 641
- *b* Worsted coatings and suitings. 643

Woven and Felted Goods of Wool and Mixtures of Wool.

Exhibit No. — Class'n No.

514. **Farr Alpaca Company, Holyoke,** Mass.
a Worsted stuffs. 640
b Mohair serges. 643
c Italian cloths. 645
d Alpacas. 651

515. **Fleisher, S. B. & B. W., Philadelphia.**
a Woolen and worsted yarns. 640
Manufacturers of the renowned brands of Fleisher's German Knitting Worsted, Fleisher's Germantown, Saxony, Shetland, Floss and Spanish, and manufacturers of worsted and woolen yarns for knitters generally.
b Braids. 647
Manufacturers of celebrated *Star*, Fleisher's "61" "Skirt Braid." Highest award at the Centennial Exposition, Philadelphia, 1876.

516. **Folwell Bros. & Co., Philadelphia.**
a All wool dress goods. 641
b Worsted dress goods. 643
c Cotton warps. 645

517. **French & Ward, Stoughton, Mass.**
a Blankets. 642
b Eiderdown flannels. 651
c Knit goods and hosiery. 640

518. **George's River Mills, Warren, Me.**
a Dress goods. 641
b Cheviots. 644

519. **Germania Mills, Holyoke, Mass.** Beavers, kerseys, fancy cassimeres, overcoatings and cloakings. 641

519a. **Glastonbury Knitting Co., Addison,** Conn. Men's all wool and merino underwear. 640

520. **Glendale Woolen Mills, Glendale, R.I.** Fancy cassimeres. 641

521. **Globe Woolen Co., Utica, N. Y.**
a Beavers, cassimeres. 641
b Worsted coatings and suitings. 643

522. **Gonic Manufacturing Company,** Gonic, N. H. Broadcloth dress goods. 641

523. **Griswold Worsted Company, Ltd.,** Darby, Pa. Worsted yarns. 640
Manufacturers of worsted and spun silk yarns for all purposes. Silk yarns suitable for hosiery, underwear, mittens, upholstery, fabrics, fringes and braid. In the hank, on spools or cones. Warps for flannels, dress goods and seal plushes. Tussah spun cassimere silk yarns, fast colors.

525. **Harris Woolen Company, Woonsocket,** R. I. Woolen goods. 641
Manufacturers of E. Harris fine kerseys, meltons, elysians, rattines, carriage cloth, and fancy worsted and wool suitings.

526. **Hartley, F., Lawrence, Mass. Yarns** and carbonized wool. 640
Carbonized Australian lambs and fleece; also domestic wool and noils of all grades; perfectly free from acid or any chemical; always in stock.

528. **Hecla Mills, Uxbridge Mass. Woolen** goods. 641

529. **Hetzel, Geo. C., & Co., Chester, Pa.**
a Woolen suitings and coatings. 641
b Worsted suitings and coatings. 643

530. **Hockanum Company, Rockville, Conn.**
a Fancy cassimeres. 641
b Worsted coatings and suitings. 643

531. **Hopkins, T. E., Danielsonville, Conn.** Woolen goods. 641

532a. **Jaros Hygienic Underwear Co.,** New York. Woolen underwear. P-1 640
"Wool Fleece Knit." Non-shrinkable, non-irritating, prevents chilling by thorough absorption. Sightly and perfect fitting. For men, women and children. Medals, American Inst., '92, Mechanics' Inst., '93.

533. **Kiamensi Woolen Company, Stanton,** Del. Fancy cassimeres and kerseys. 641

534. **Kimball, H. A., Manton, R.I.** Fancy cassimeres. 641

536. **Lucas, B., & Co., Norwich, Conn.**
a Woolen goods. 641
b Woolen goods woven on cotton warps. 645

537. **Massachusetts Mohair Plush Company,** Philadelphia. Mohair plush, grained plush, Spanish velvets. Gal. F-14 646

538. **McFarlan & Co., Amsterdam, N. Y.** Knit goods and hosiery. 640

539. **Merrimack Woolen Mills, Dracut,** Mass.
a Cloakings and dress goods. 641
b Blankets, robes, shawls, etc. 642
c Cotton and woolen mixed goods. 644

540. **Merritt, Geo., & Co., Indianapolis,** Ind.
a Woolen yarns. 640
b Blankets, robes, rugs, shawls, etc. 642

540a. **Midland Woolen Mills Co., Denver,** Col.
a Underwear. 640
b Blankets. 642

541. **Milner, F., & Co., Moosup, Conn.** Fancy cassimeres. 641

542. **Milwaukee Worsted Cloth Company,** Milwaukee, Wis. Fine worsted cloths, etc. 643

Woven and Felted Goods of Wool and Mixtures of Wool.

Exhibit No. — Class'n No.

543. **Mississippi Mills, Wesson, Miss.**
a Woolen goods. 641
b Cotton and woolen mixed goods. 644
c Hosiery. 640

Manufacture cassimeres, cheviots, meltons, fine jeans, fancy shirtings, dress goods, checks, plaids, cottonades and hosiery. Were awarded gold medals at the following expositions: Philadelphia, 1876, Atlanta, 1881, New Orleans, 1885. Selling agts. O. H. Sampson & Co., Boston, New York, Phila.

544. **Muncy Woolen Mills Company,** Muncy, Pa. Blankets, shawls, etc. 642

544a. **National Knitting Co., Milwaukee,** Wis. All wool gloves and mittens, heavy hosiery, lumbermen's socks, knit boots. 640

544b. **National Worsted Mills, Providence,** R. I. Worsted suitings and trouserings. 643

544c. **New Albany Hosiery Mills, New** Albany, Ind. Woolen hosiery. 640

545. **New England Company, Rockville,** Conn.
a Fancy cassimeres. 641
b Worsted coatings and suitings. 643

546. **Niantic Mills Company, East Lyme,** Conn.
a All wool dress goods. 641
b Mixed dress goods. 644

547. **Norfolk & New Brunswick Hosiery** Co., New Brunswick, N. J.
a Woolen underwear. 641
b Cotton and mixed underwear. 644

548. **North Adams Manufacturing Company,** North Adams, Mass. Fancy cassimeres. 641

And 64 Worth St., New York. All wool fancy cassimeres, cheviots and meltons.

549. **North Star Woolen Mills Company,** Minneapolis, Minn.
a Flannels. 641
b Blankets. 642

550. **Norwich Woolen Company, Norwich,** Conn.
a Woolen goods. 641
b Cotton and woolen mixed goods. 644
c Woolen goods woven on cotton warps. 645

551. **Oakes, Thomas, & Co., Broomfield,** N. J. Beaver and kersey overcoatings, doeskins, meltons, carriage and uniform cloths. 641

553. **Orinoko Mills, Philadelphia.** Upholstery goods and drapery materials. Gal. G-14 646

B. L. Solomon's Sons, 29 Union Square, New York, and 76 Monroe street, Chicago, selling agents. Attention is called to the "Columbus" silk tapestry table cover, designed and woven by the Orinoko Mills expressly for this Exposition.

554. **Pacific Mills, Lawrence, Mass.**
a Wool dress fabrics. O-1 641
b Worsted dress fabrics. 643

555. **PeaceDale M'f'g Co., Peace Dale, R.I.**
a Overcoatings, fancy cassimeres. 641
b Worsted coatings and suitings, serges for men's and women's wear. 643

Founded 1800. Makers of serges, worsteds of all kinds, also cassimeres, cheviots, linings, traveling wraps, rugs and shawls. All our goods are made entirely of wool.

557. **Providence Worsted Mills, Providence,** R. I.
a Worsted, genapped and mohair yarns. 640
b Worsted overcoatings and cloakings. 643

558. **Racine Woolen Mills, Racine Wis.**
a Woolen goods. 641
b Blankets, shawls, etc. 642

559. **Raritan Woolen Mills, Raritan, N. J.**
a Fancy cassimeres. 641
b Chinchillas, overcoating and cloakings. 645

561. **Read Carpet Company, Bridgeport,** Conn. Carpets and rugs. Gal. F-14 649

562. **Read, William F., Philadelphia.** Dress goods, silk warp lansdownes. 641

564. **Rock Manufacturing Company, Rockville,** Conn.
a Fancy cassimeres. 641
b Worsted coatings and suitings. 643

565. **Sanford Mills, Sanford, Me.**
a Kerseys. 641
b Carriage robes, rugs and horse blankets. 642
c Furniture and car plushes, etc. 646

565a. **Saranac Worsted Mills, Providence,** R. I. Worsted suitings, overcoatings and cloakings. 643

566. **Sawyer Woolen Mills, Dover, N. H.**
a Fancy cassimeres. 641
b Worsted suitings. 643

567. **Saxon Worsted Company, Franklin,** Mass. Fancy worsted. 643

568. **Sebasticook Woolen Mills, Hartland,** Me.
a Fancy cassimeres. 641
b Shawls. 642

568a. **Seymour Woolen Factory Co., Seymour,** Ind.
a Yarns. 640
b Dress flannels. 641
c Blankets. 642

Woven and Felted goods of Wool and Mixtures of Wool, Clothing and Costumes.

Exhibit No. — Class'n No.

569. **Shuler & Beminghofen, Hamilton,** Ohio,
 a Blankets. 642
 b Felt skirts and skirting. 648

570. **Somerset Manufacturing Company,** Raritan, N. J.
 a Fancy cassimeres and suitings. 641
 b Overcoatings, cloakings, chinchillas. 645

572. **Springville Company, Rockville,** Conn.
 a Fancy cassimeres. 641
 b Worsted coatings and suitings. 643

572a. **Star Knitting Co., Chicago.** Knit goods, hosiery, etc. 640

573. **Stevens, Charles A., & Co., Ware,** Mass. White flannels. 641

574. **Stirling Mills, Lowell, Mass. Woolens,** flannels and dress goods. 641

575. **Stott, C. H. & F. H., Stottsville,** N. Y.
 a Woolen goods. 641
 b Woolen goods woven on cotton warps. 645

576. **Talbot Mills, North Billerica, Mass.**
 a Woolen goods. 640
 b Dress goods and flannels. 641

578. **Tinkham, Wm., & Co., Harrisville,** R. I. Fancy worsteds. 643

579. **Titus, Elias, & Sons, Poughkeepsie,** N. Y.
 a Woolen goods. 641
 b Cotton and woolen mixed goods. 644

579a. **Wanskuck Mills, Providence, R. I.** Worsted coatings and cloakings. 643

580. **Washington Mills Company, Lawrence,** Mass.
 a Woolen and worsted yarns. 640
 b Overcoatings, cloakings, woolen goods and dress goods. 641
 c Worsted suitings. 643

581. **Waterloo Woolen Manufacturing** Company, Waterloo, N. Y.
 a Flannels, carriage cloths. 641
 b Blankets, shawls, etc. 642

New York Ag'cy, Patterson & Greenough, 41 Worth St. Mill running consecutively since 1836 on fine all-wool fabrics for men's and women's wear, carriage trimmings; liveries.

582a. **Waukenhose Co., Boston.** Knit goods, hosiery, etc. 640

583. **Waumbeck Company, Milton Mills,** N. H.
 a Fine broadcloths. 641
 b All wool serges. 643

585. **Weybosset Mills, Providence, R. I.**
 a Woolen goods and cassimeres. 641
 b Fancy worsted suitings. 643

585a. **Winck, B., & Weed, Philadelphia.** Worsted suitings. 643

586. **Winthrop Mills Company, Winthrop,** Me.
 a Blankets, etc. 642
 b Cotton and woolen mixed goods. 644

587. **Woll, P., & Sons, Philadelphia.** Curled hair, feathers, fibre and bristles. Gal. F-14 651

588. **Wood, Wm., & Co., Philadelphia.**
 a Fancy cassimeres, cheviots. 641
 b Worsted suitings. 643
 c Cotton and silk mixed shirtings and dress goods. 644

Pequea Mills manufacture woolens and worsteds for men's wear in extended variety of fabrics; cheviots, cassimeres and worsteds in suitings and choice specialties in trouserings. First premium medal awarded at Centennial Exhibition, Philadelphia. New York Chicago and Boston offices.

 b Fancy cotton goods. 644

Mount Vernon Mills manufacture fancy cotton shirtings and dress goods in largest variety, with specialties in designs.

589. **Worumbo Manufacturing Company,** Lisbon Falls, Me.
 a Indigo flannels, beavers, meltons, kerseys, carriage cloth. 641
 b Chinchillas, flockonees, velours. 644

589a. **Yantic Woolen Co., Yantic, Conn.** Flannels. 641

GROUP 104.

Clothing and Costumes.

Exhibits in this group are installed in Section P, Block 1, N, Block 1, and Gallery, Sections F and G. The Merchant Tailors' exhibit is in a special building.

590. **Adler, Jacob, & Co., New York.** Gloves. Gal. G-6 657

590a. **Alden Knitting Mills, New Orleans,** La. Wool and cotton hosiery. P-1 657

591. **Allen, John C., Gloversville, N. Y.** Gloves and mittens. Gal. G-3 657

592. **Altman Summer Neckwear Company,** New York. Summer neckwear. Gal. G-3 658

593. **American Hosiery Co., New Britain,** Conn. Cotton, woolen, merino and silk full-fashioned hosiery and underwear. 657

599. **Baum & Ulman, Williamsport, Pa.** Suspenders. Gal. G-11 658

600. **Beatty, C. F., New York.** Prints of engravings in steel, brass and zinc for hatters. Gal. G-5 654

Clothing and Costumes.

Exhibit No. — Class'n No.

501. **Bell's, Henry H., Sons, Milton, N. Y.** Knit goods, hosiery, etc. 657

503. **Bowers, James, & Co., Newark, N. J.** Lock clasps for corsets. Gal. G-6 658

503. **Bowers, James,& Co., Newark, N. J.** Lock clasps for corsets. Gal. G-6 558

505. **Brill Bros., New York.** Men's shirts. Gal. G-3 658

506. **Brooklyn Shield Company, Brooklyn,** N. Y. Dress shields. Gal. G-6 653

507a. **Buck, Geo. N., Manufacturing Co.,** Mattoon, Ill. Hose supporters. Gal. F-1 658

509. **Canfield Rubber Company, Bridge-**port, Conn. Dress shields. Gal. G-6 658

512. **Cluett, Coon & Co., Chicago.** Collars, cuffs and shirts. Gal. G-6 658

515. **Coronet Corset Company, Jackson,** Mich. Corsets and waists. Gal. G-7 653

518. **Curtis, H. C., & Co., Troy, N. Y.** Shirts, collars and cuffs. Gal. G-3 658

519. **Davis Sewing Machine Company,** Chicago. Sewing machines. Gal G-1 659

521. **Delsarte Corset Company, New York.** Corsets, waists and shoulder braces. Gal. G-4 658

522. **Dempster & Place, Gloversville, N.Y.** Gloves and mittens. Gal. G-6 657
A full line of gloves for the best retail trade. High grade fine goods a specialty.

524. **Domestic Sewing Machine Company,** Chicago. Sewing machines. Gal. G-2 659

525. **Dryfoos, L., & Co., New York.** Skirts. Gal. G-6 658
Manufacturers of latest novelties in silk, mohair, cloth, sateen and quilted skirts. Received only medal Philadelphia, 1876.

526. **Earl Manufacturing Company, Chi-**cago. Hose supporters. Gal. G-3 658
Abdominal and hose supporter, invented and manufactured by Sarah J. Schaak.

527. **Earl & Wilson, New York.** Men's collars and cuffs. Gal. G-6 658

528. **Ederheimer, Stein & Co., Chicago.** Clothing. Gal. G-9 652

529. **Excelsior Fur & Glove Sewing Ma-**chine, New York. Sewing machine. Gal. G-5 659

534. **Foster, Paul & Co., New York. Kid** gloves. Gal. G-6 657

537. **Gage, Downs Company, Chicago.** Corsets. Gal. G-4 653

544. **Haley, C. J. & Co., New York. Hose** supporters. Gal. G-6 658

544a. **Hay & Todd Manufacturing Co.,** Ypsilanti, Mich. Yarns, tops, noils, knit goods and hosiery. 657
Manufacturers of the famous Ypsilanti combination suits for men, women and children, in wool, cashmere, merino, silk and cotton; also equestrienne tights, sweaters, undershirts, drawers, etc.

545. **Haynes, N. B., Company, Chicago.** Millinery. Gal. G-5 655

646. **Henderson-Ames Co., Kalamazoo,** Mich. Regalia. N-1 652

650. **Hollander, L. P., & Co., Boston.**
a Boys' clothing. Gal. G-5 652
b Ladies' costumes and garments. 653
c Millinery. 655

652. **Household Sewing Machine Com-**pany, Providence, R. I. Sewing machines. Gal. G-2 659

654. **Hull & Co., Poughkeepsie, N. Y.** Trousers. Gal. G-11 652
From the sheep to the man one profit.

657. **Ivorine Collar & Cuff Co., Chicago.** Collars and cuffs. Gal. G-3 658

658. **Jaeger's Dr.Sanitary Woolen System** Company, New York. Knit goods,hosiery, etc. P-1 657
Dr. Jaeger's Sanitary Woolen System Co., 454 Broome street, N. Y.,was incorporated in April, 1887, under the laws of the State of N. Y., for the purpose of manufacturing and selling Dr. Jaeger's Sanitary Woolen System goods. The officers are: Hermann Schaeffer, Pres.; Ernest Benger, Vice-pres. and Treas.

662. **Knox, E. M., New York. Hats.** Gal. G-7 654

663. **Kuh, Nathan & Fischer Co., Chicago.** Ready-made clothing. Gal. G-10 652

664. **Lehman, Chas. F., Brooklyn, N. Y.** Cork helmets. Gal. G-7 654

665. **Lewis Knitting Company, Janesville,** Wis. Woolen underwear, knit goods, hosiery, etc. 657
Full fashioned underwear. A high grade of Derby ribbed underwear made in combination suits and separate garments for men, women and children, from silk, wool, merino, lisle and balbriggan. All garments regular made, tailor trimmed and made in weights for all seasons.

669. **Mayer, Strouse & Co., New York.** Corsets. Gal. G-4 653
The C/B a la Spirite are the only corsets manufactured in the United States which have received the highest award, the gold medal at Paris Exhibition, 1889.

670. **Midland Woolen Mills Co., Denver,** Colo. Knitted underwear. P-1 657

672. **Millen, E., & Co., New York. Shirts.** Gal. G-3 658.

679. **New Home Sewing Machine Com-**pany, Orange, Mass. Sewing machines. Gal. G-2 659

Clothing and Costumes, Furs and Fur Clothing.

Exhibit No. — Class'n No.

682. **Northrup Glove Company, Johnstown, N. Y.** Gloves. Gal. G-6 657

683. **Potter, Thos., Sons & Co., Philadelphia.** Oil cloth. Gal. F-12 636

684. **Rothschild, E., & Bros., Chicago.** Men's clothing. Gal. G-10 652

693. **Self-Threading Sewing Machine Co., New York.** Sewing machine attachment. Gal. G-5 659

Patent open-eyed needle and attachment for sewing machines. No threading needle by hand. Thread only in needle while going down through the cloth, therefore avoids wear of thread in eye, and sews with silk floss as easily as other thread. No breaking of needles or thread. Easy tension.

694. **Seybel, F. W., New York.** Ladies' hats. Gal. G-5 655

696. **Siegel Bros., New York.** Ladies' underwear and muslin. Gal. G-3 658

697. **Siegel, F., & Bros., Chicago.** Cloaks. Gal. G-9 653

698. **Singer Manufacturing Company, New York.** Sewing machines. Gal. G-2 659

For family and manufacturing purposes; displayed in Machinery Hall, Manufactures and Liberal Arts, Shoe and Leather Trades Bldgs.; agencies in all countries throughout the civilized world. Address Agent Singer Sewing Machine, in all cities and towns, and you will receive attention.

701. **Standard Sewing Machine Company, Cleveland, Ohio.** Sewing machines. Gal. G-2 659

704. **Stetson, John B., Company, Philadelphia.** Hats. Gal. G-7 654

705. **Stiehl, G. H., & Co., New York.** Head wear. Gal. G-8 654

Leading manufacturers of novelties of boys' and children's cloth and straw headwear. Awarded gold medal, New Orleans, 1885.

706. **Strawbridge & Clothier, Philadelphia.** Costumes and wraps. Gal. G-5 653

709. **Ulrich, Jean, Chicago.** Ladies' tailor made clothing. Gal. F-1 653

710. **United Shirt & Collar Co., Chicago.** Collars, cuffs and shirts; aprons and underwear. Gal. G-9 658

711. **Van Orden Corset Co., New York.** Corsets. Gal. G-5 693

713. **Wachsmuth, L. C., & Co., Chicago.** Ready-made clothing. Gal. G-10 652

Manufacturers of the celebrated "Happy Home" brand of guaranteed clothing, made of all wool fabrics, and the only clothing in the world guaranteed by the manufacturer hrough the retail dealer to the consumer.

t

Exhibit No. — Class'n No.

718. **Weingarten Bros., New York.** Corsets. Gal. G-4 658

722. **White Sewing Machine Company, Cleveland, Ohio.** Sewing machines. Gal. G-2 659

723. **Wilde, James Jr., & Co., Chicago.** Men's, boys' and children's clothing. Gal. G-9 652

725. **Wire Buckle Suspender Company, Williamsport, Pa.** Suspenders, garters, shoulder bracers, etc. Gal. G-6 658

727. **Worcester Corset Company, Worcester, Mass.** Corsets. Gal. G-5 658

Chicago salesrooms 260 and 262 Fifth ave. New York office, 454 Broadway. The Royal Worcester W. C. C. corsets combine the highest skill known to the corset art. Style, comfort, economy. 100 styles. Popular prices. Sold direct to retailers. Our salesmen cover U. S. Send for hand book.

GROUP 105.

Furs and Fur Clothing.

Exhibits in this group are installed in Section G, Block 1.

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730. **Burkhardt, A. E., Company, The, Cincinnati.** Furs, cloaks. 660

Importers, manufacturers, collectors and exporters. American raw furs. Established 1866. Chicago branch, 702 Columbia Memorial Building, corner State and Washington Sts. Correspondence invited.

731. **Gunther's, C. G., Sons, New York.** Furs and skins, stuffed animals. 660

184 Fifth Ave., New York. Establis'd 1820. Ladies' furs of every description. Fur lined and fur trimmed garments. Gentlemen's fur lined overcoats. Fur rugs and robes, pelts and skins, mounted heads and horns. Correspondence and inspection invited. Medal awarded Expos'n Universelle, Paris, 1867.

732. **Liebes, H., & Co. (Inc.), San Francisco.** Manufactured furs. 662

The world's headquarters for sealskin garments and fine furs of every description. 133 to 139 Post St. Chicago office during Exposition, 803 Columbus Memorial Bldg., State and Washington Sts.

733. **Shayne & Co., Chicago.** Furs, fur garments and pelts. 660

C. C. Shayne, 124–126 W. 42d st., New York; John T. Shayne, 191–193 State st., Chicago, importers, exporters and manufacturers of high class furs. Seal and mink garments a specialty. Correspondence solicited.

Exhibit No. — Class'n No.

734. **Treadwell, Geo. C., Company, Albany, N. Y.** Seal fur garments. 662
Fur seal of Treadwell's Dye, which has been in constant use since 1832. Seals shown from raw skins to highest grade of garments made.

735. **Wolf & Periolat, Chicago.** Furs and garments, mounted animals. 660

GROUP 106.

Laces, Embroideries, Trimmings, Artificial Flowers, Fans, etc.

Exhibits in this group are installed in Section N. Block 1 and Gallery, Sections F and G.

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737. **Ball & Socket Fastener Co., Boston.** Fasteners for gloves, coats, bags, etc. Gal. F-1 668

739. **Bodenmann, Johannes, Chicago.** Embroideries. Gal. F-1 669

740. **Crotty & Mitchell, Weedsport, N. Y.** Dress stays. Gal. F-1 668

753. **Excelsior Quilting Company, New York.** Fancy stitching and quilting. Gal. F-4 665

757. **Gerschel, Victor, & Co., New York.** Pearl buttons. Gal. G-6 668

775. **New England Pin Company, Winsted, Conn.** Pins. Gal. F-4 668

776. **New England Whalebone Manufacturing Company, New York.** Articles made from whalebones. Gal. F-4 668

783. **Richardson & DeLong Bros., Philadelphia.** Patent hooks and eyes. Gal. G-3 668

784. **Samaha, A., Philadelphia.** Gold and silver embroideries. Gal. F-1 669

785. **Tiffany Glass & Decorating Co., New York.**
a Needle work, etc. Gal. N-1 665
b Art embroidery. 669

GROUP 107.

Hair Work, Coiffures and Accessories of the Toilet.

Exhibits in this group are installed in Gallery, Sections F and G.

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807. **Burnham, E., Chicago.** Hair goods, jewelry, tools, etc. Gal. F-7 673

807a. **Blumenthal, M. & B., Chicago.** Hair goods and novelties. Gal. F-7 672

Exhibit No. — Class'n No.

808. **India Rubber Comb Company, New York.** Combs and brushes. Gal. F-4 675
"I. R. Comb Co.'s unbreakable combs;" every comb warranted. Imperial rubber brushes warranted not to split or warp. Agents for United States Comb Co. and Atlantic Comb Co.

810. **Nicol & Co., Chicago.** Hair tools and heaters. Gal. G-7 674

811. **Palmetto Fibre Company, Chicago.** Brushes. Gal. F-1 675
Manufacturers of all kinds of palmetto fibre brushes. Known to be the best fibre for scrub and horse brushes discovered. Will clean quicker, last longer than brushes made of any other material. See World's Fair exhibit. Chicago store, 56 Michigan ave. Factory, Frederick, Md.

GROUP 108.

Traveling Equipments, Valises, Trunks, Toilet Cases, Fancy Leather Work, Canes, Umbrellas, Parasols, etc.

Exhibits in this group are installed in Section N, and Gallery, Sections F and G with one exception.

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812. **Cheval Standard Co., New York.** Horse measuring canes. Gal. F-4 681

813. **DeMuth, Wm., & Co., New York.**
a Smokers' articles. O-1 680
b Walking canes. 681

814a. **Ebel, Rev. Adolph, Chicago.** Carved meerschaum pipe. Gal. G-11 680

814a. **Gorham Manufacturing Co., Providence, R. I.**
a Fancy bags, purses, card cases, etc. N-1 680
b Canes. 681
c Umbrellas and parasols. 682

815. **Hacker, J. C., New York.** Leather goods and novelties. Gal. G-8 680

816. **Hirsh & Bro., Philadelphia.** Umbrellas and parasols. Gal. G-10 682

820. **Palica, F. J., Racine, Wis.** Trunks. Gal. G-8 679

821. **Raab, J. David, Chicago.** Bureau trunks. Gal. G-8 679

821a. **Rosenblatt, H. M., & Co., Chicago.** Shawl straps. Gal. F 7 677

822. **Wilt, Chas. T., Chicago.** Travelers' equipments. Gal. G-8 679

GROUP 109.

Rubber Goods, Caoutchouc, Gutta Percha, Celluloid and Zylonite.

Exhibits in this group are installed in Gallery, Section G.

Exhibit No. — Class'n No.

823. **American Rubber Co., Boston.** Mackintoshes, rubber and oil clothing. Gal. G-13 683

824. **Bailey, C. J., & Co., Boston.** Rubber brushes and novelties. Gal. G-13 683

825. **Elastic Tip Company, Chicago.** Rubber specialties. Gal. G-11 686

826. **India Rubber Comb Company, New York.** Hard and soft rubber goods. Gal. G-13 686

Combs, brushes, hair pins, mechanical goods, hard and soft rubber syringes, water bottles, druggists' sundries.

828. **Stoughton Rubber Company, Boston.** Rubber garments. Gal. G-13 683

829. **Towers, A. J., Boston.** Waterproof clothing. Gal. G-13 683

We lead the world with our celebrated fish brand slickers, oiled clothing, hats and horse covers. Send for our catalogue.

GROUP 110.

Toys and Fancy Articles.

Exhibits in this group are installed in Gallery, Sections F and G.

830. **Atkinson, Geo. F., San Francisco.** California wood novelties. Gal. F-1 695

831. **Converse, Morton E. & Co., Winchendon, Mass.** Toys and novelties. Gal. F-7 693

Great variety drums, trunks, dolls' furniture, toys, games, novelties, etc. Fine display. Largest wood toy factory in the world.

832. **Estes, E. B., & Sons, New York.** Turned wooden novelties. Gal. F-4 694

832a. **Hansen, E., Philadelphia.** Art novelties; inlaid pearl mosaics. Gal. F-8 695

832b. **Ihling Bros. & Everard, Kalamazoo, Mich.** Duplicate whist trays. Gal. F-14 693

833. **Ives, Blakeslee & Williams Co., New York.** Mechanical toys. Gal. F-7 693

834. **Jansen, Ed., New York.** Fancy baskets. Gal. G-1 695

Novelties in baskets of fancy and artistic design, decorated and plain. 124 W. 19th St.

Exhibit No. — Class'n No.

835. **Joy & Seliger, Newark, N. J.** Fancy articles. Gal. F-1 695

Manufacturers of toilet cases and novelties made from aluminum, white metal, brass and celluloid; makers of patented elastic metal belts of all descriptions. World's Fair novelties and specialties.

836. **Mermod & Jaccard Jewelry Co., St. Louis.** Monograms and dies. Gal. G-3 695

837. **Parker Bros., Salem, Mass.** Parlor games and toys. Gal. F-4 693

838. **Pattberg, Lewis & Bro., Jersey City, N. J.** Fancy goods. Gal. F-7 694

Estab. 1859. Medals, Phila. and Paris.

839. **Pia, Peter F., New York.** Pewter toys. Gal. F-7 693

840. **Rice & Hochster, New York.** Tortoise shell articles. Gal. F-4 695

841. **Rosenblatt & Co., Chicago.** Plush and leather boxes, etc. Gal. F-7 694

842. **Ross, M. B., Cambridgeboro, Pa.** Game. Gal. G-11 693

844. **Wahl, Emil, Fancy Bone Manufacturing Company, Philadelphia.** Fancy bone goods. Gal. F-4 695

GROUP 112.

Scales, Weights and Measures.

Exhibits in this group are installed in Section Q, Block 1.

845. **Buffalo Scale Company, Buffalo, N. Y.** Scales. 706

846. **Chicago Scale Co., Chicago.** Scales. Stock Pavilion 707

846a. **Chicago Spring Balance Co., Chicago.** Scales and balances. Q-1 707

847. **Fairbanks, E. & T., Co., St. Johnsbury, Vt.** Scales, weights and measures. 706

Fairbanks' scales, the world's standard. Over one thousand modifications.

848. **Kirk & Bailey, Cincinnati.** Family scales, bicycle grindstones, etc. 706

849. **Metric Metal Company, Erie, Pa.** Gas meters. 711

850. **Mogul Manufacturing Company, New York.** Spring scales. 706

851. **National Meter Company, Brooklyn, N. Y.** Water meters. 711

Makers of the noted Crown, Gem, Nash and Empire meters. All sizes for all duties.

852. **Neptune Meter Co., New York.** Water meters. 711

853. **Springer Torsion Balance Company, New York.** Scales. 706

Exhibit No. — Class'n No.

54. **Thomson Meter Company, Brooklyn,** N. Y. Water meters. 711
Made entirely of bronze composition except the disk, which is steel covered with hard rubber. Our latest product, the "Bee," is interchangeable in every part. Sizes ½ to 6 inches. Accurate, durable, low priced and the very best. Used in over 500 cities. Sales in 1892, 13,000. Silver medal, Paris, 1889.

54a. **Troemner, H., Philadelphia.** Balance scales. Q-1 708

55. **Worthington, Henry R., New York.** Water meters. Dept. F 711

GROUP 113.

Material of War; Ordnance and Ammunition; Weapons and Apparatus of Hunting, Trapping, etc.; Military and Sporting Small Arms.

Exhibits in this group are installed in Sections Q, Block 3, P, Block 4, and N, Block 1.

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56. **Bannerman, Francis, New York.** Guns. Q-3 714
Shot guns—6 shots in 3 seconds, 6,000 in use. Riot guns, regltn. U. S. A. prison guard gun.

56a. **Bethlehem Iron Company, South** Bethlehem, Pa. Heavy ordnance and its accessories. 716
Trunnion Hoop, 12 in., B. L. Rifle, smooth forged. Gun hoops. Company makes specialty of steel forgings, hollow shafting, cranks, rolls, guns and armor, rough machined or finished, fluid compressed, hydraulic forged; nickel-steel "Harvey" armor of great toughness and unrivaled resistance.

357. **Bridgeport Gun Implement Company,** Bridgeport, Conn. Gun implements. Q-3 718

358. **Brooks, C. C., Arms & Tool Co.,** Portland, Me.
a Knives, etc. Q-3 717
b Shotguns and rifles. 718

359. **Burgess Gun Company, Buffalo, N. Y.** Fire-arms. Q-3 714

361. **Colt's Patent Fire-arms Manufacturing Company, Hartford, Conn.** Fire-arms. Q-3 714

361a. **Henderson-Ames Co., Kalamazoo,** Mich. Swords. N-1 717

362. **Ideal Manufacturing Company, New** Haven, Conn. Gun implements and ammunition. Q-3 718

Exhibit No. — Class'n No.

863. **Jordan, Louis, Chicago. Shotguns.** P-4 718

864. **Lefever Arms Company, Syracuse,** N. Y. Hammerless guns. Q-3 718

865. **Marlin Fire-arms Company, New** Haven, Conn. Fire-arms. Q-3 714

866. **Parker Bros., Meriden, Conn. Shotguns.** Q-3 718
Manufacturers of the celebrated Parker gun, hammerless and hammer. The oldest and largest manufacturers of breech-loading shotguns in America.

867. **Remington Arms Company, Ilion,** N. Y. Fire-arms. Q-3 714
Agencies: New York and San Francisco. Est'd 1816. Nearly 2,000,000 Remington rifles in use. M'f'rs of celebrated Lee magazine rifle; also 50 cal. N. Y. state model and 43 Spanish-Standard arm of S. America; sporting rifles, shotguns, revolvers, high-grade pneumatic bicycles and sewing machines.

868. **Smith & Wesson, Springfield, Mass.** Revolvers. Q-3 714
Manufacturers of superior automatic, shell-extracting revolvers. Unequaled for force, accuracy, durability, excellence of material, workmanship, beauty of finish, convenience in loading, and safety. All goods guaranteed. Address, Springfield, Mass., U. S. A.

869. **Union Metallic Cartridge Company,** Bridgeport, Conn. Metallic ammunition. Q-3 714
Agency, 313 Broadway, New York, N. Y. Depot, 10 Front St., San Francisco, Cal. Ammunition-Pioneer American Factory. Largest facilities; greatest output. Contractors to U. S. and foreign governments. Cartridges, paper and brass shot shells, wads, primers, percussion cups, etc.

870. **Winchester Repeating Arms Company,** New Haven, Conn.
a Military small arms and ammunition. Q-3 714
Several systems of military small arms (repeaters and single-loaders). Ammunition for military small arms; for hunting, sporting, target and pastime rifles; for pistols and for shotguns. Awarded grand prize at Paris Exposition, 1889.
b Sporting and hunting fire-arms. Reloading tools. 718
Sporting, hunting, target and pastime rifles (repeaters and single-loaders), several systems. Repeating shotguns, two systems. Reloading tools for metallic cartridges. Awarded grand prize at Paris Exposition, 1889.

GROUP 114.

Lighting Apparatus and Appliances.

Exhibits in this group are installed in Section N, Blocks 1 and 3.

Exhibit No. — Class'n No.

871. **American Automatic Lighting Co.,** Meriden, Conn. Lighting system. N-3 719

872. **American Brass and Lamp Co., Trenton,** N. J. Lamps; fancy brass and opal glass articles. N-3 719
Consolidating Clark Bros. Lamp, Brass & Copper Co. and Swan & Whitehead.

873. **Dietz, R. E., Chicago.** Lamps and lanterns. N-3 720

875. **Globe Light & Heat Co., Chicago.** Street lamps, gas and electric fixtures, reflectors and heating specialties. N-3 720

876. **Hohenstein, H., New York.** Lamp and candle shades, candles, etc. N-3 719

877. **Rochester Lamp Company, New** York. Lamps. N-3 719

878. **Schultz Gas Fixture & Art Metal Co.,** Baltimore. Gas and electric fixtures; ornaments. N-3 721

879. **Steam Gauge & Lantern Co., Syracuse,** N. Y. Lamps and lanterns. 720

880. **Tiffany Glass & Decorating Co., New** York.
a Gas fixtures. N-1 721
b Electric fixtures. 722

GROUP 115.

Heating and Cooking Apparatus and Appliances.

Exhibits in this group are installed in Sections O, Blocks 3 and 4; N, Block 4; and P, Block 4.

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881. **Abendroth Bros., Port Chester, N. Y.**
a Furnaces. O-3 725
b Hot water heaters. 726
c Stoves and ranges. 727

882. **America Heating Company, Rockford,** Ill. Hot water heaters. O-3 727

883. **American Radiator Company, Chicago.** Steam and water radiators. O-4 726
Largest radiator makers in the world. General offices, 111 and 113 Lake street, Chicago. Branches, New York, Boston, Denver, Minneapolis and St. Paul. Factories, Detroit, Mich., and Buffalo, N Y. Highest award Paris Exposition 1889

Exhibit No. — Class'n No.

884. **Beckwith, P.D., Estate of, Dowagiac** Mich. Stoves. O-3 72
Sole manuf'rs of round oak stoves and fur naces, made as specialties, and for all kind of fuel the best in the world. Fred E. Lee general manager, O. G. Beach, sales mang'r

885a. **Born Steel Range & M'f'g Co., Cleve** land, Ohio. Ranges. O-3 72

886. **Bucks Stove & Range Co., St. Louis** Stoves and ranges. O-4 72

888. **Chapman, H. M., Chicago. Boile** and heaters. O-3 72

889. **Chicago Clothes Dryer Works, Chi** cago. Laundry stoves and clothes dryers O-3 72

890. **Chicago Stove Works, Chicago** Ranges and stoves. O-4 72
Manufacture the Gold Coin stoves in ever style, and for burning any kind of fue Office and salesroom at our works, corne Blue Island avenue and Twenty-secon street, Chicago.

891. **Clark, George M., & Co., Chicago** Gas and gasoline stoves. O-3 72
Under the name of "Jewel" we manufactur fifty-seven gas stoves, forty gasoline stove and one oil-heating stove. Fullest line o stoves of their kind in the world.

893. **Collins & Burgie Co., Chicago** Stoves and ranges. O-4 72

894. **Co-operative Foundry Company** Rochester, N. Y. Stoves and heaters. N-4 72
Parlor and cooking. Trade mark, "Red Cros Stoves and Ranges." Western ag'cy, R. Rob inson & Sons, Chicago. Northwestern ag'cy J. P. Lindemann & Sons, Milwaukee, Wis.

895. **Cortland Howe Ventilating Stov** Company, Cortland, N. Y. Heating stove O-3 72

896. **Cribben, Sexton & Co., Chicago** Stoves and ranges. O-4 72

898. **Daggett, W. A., & Co., Vineland** N. J. Roaster and baking pan. O-3 73

899. **Dangler Stove & Manufacturing Co** Cleveland, Ohio. Vapor stoves an ranges. O-3 72

902. **Enterprise Manufacturing Company** Philadelphia. Hardware specialties. O-3 73

902a. **Edwards Parlor Lamp Stove Co** Chicago. Parlor lamp stove. O-3 72

905. **Farquhar Heating Company, Chicago** Furnaces and heaters. O-3 72

Heating and Cooking Apparatus and Appliances.

Exhibit No. — Class'n No.

06. **Fuller, Warren Company, Milwaukee,** Wis. Furnaces and heating apparatus. O-4 725

Also Troy, N. Y. Largest producers of stoves, ranges and furnaces in the world. Exclusive manufacturers of P. P. Stewart stoves and ranges.

07. **Gorton & Lidgerwood Co., New** York. House heating boiler. O-3 726

For heating houses by steam or hot water. Chicago office, 34 and 36 W. Monroe St.

08. **Goodell Company, Antrim, N. H.** Apple and potato parers, seed sowers, cherry stoners, etc. O-3 730

11. **Griffing, A. A., Iron Company, Jersey** City, N. J. Radiators. O-3 726

Largest plant in the world engaged exclusively in the manufacture of cast iron radiators, viz., Bundy Standard and Sectional Radiators, Columbia, Elite, Pyro, Defiance, Triumph, Climax, Perfect, Steam or Hot Water. Works, Jersey City, N. J. Offices, 5 Dey St., New York; Chicago and Phila.

13. **Hill, Whitney & Co., Boston. Cook**ers, broilers and frying pans. O-3 730

Steamless and odorless; made from aluminum and iron; light and indestructible.

14. **Howard Thermostat Company, Syra**cuse, N. Y. Heat regulators. O-3 725

15. **Huette-Barler Manufacturing Com**pany, Chicago.
 a Gas heaters. 728
 b Oil heaters. 729

16. **Jackson, Edwin A., & Bros., New** York. Grates. O-3 724

17. **Johns, B. B., Philadelphia. Stove** and metal polish. O-3 727

No brush or water. Will not burn or wash off.

18. **Kahn, F. & L., & Bros., Hamilton,** Ohio. Stoves and ranges. O-3 727

19. **Kelsey Furnace Company, Syracuse,** N. Y. Furnaces. O-3 725

19a. **Kingsley & Davis, Barrington Cen**tre, R. I. Nutmeg mill. P-4 730

22. **Magee Furnace Company, Boston.**
 a Furnaces. O-4 725
 b Stoves and ranges. 727

Fine work a specialty. Branches, 86 Lake Street, Chicago; 242 Water street, New York.

23. **Mason & Davis Company, Chicago.** Ranges and laundry stoves. O-4 727

Wrought steel ranges for families, restaurants and hotels. Coal, wood or gas and combination ranges to burn coal or wood in one section, and gas in the other. Also canopies, broilers and laundry stoves. Agents in all principal cities.

Exhibit No. — Class'n No.

924. **Meisselbach, A. F., & Bro., Newark,** N. J. Can openers. O-3 730

"Columbia," high grade, warranted.

925. **Michigan Stove Company, Detroit,** Mich. Stoves and ranges. O-4 727

926. **Milford Manufacturing Company,** Milford, Ohio. Carpet sweepers. O-3 730

927. **Miller, Wm., Range & Furnace Co.,** Cincinnati.
 a Ranges, stoves and ovens. O-3 727
 b Kitchen utensils. 730

928. **Milwaukee Gas Stove Company,** Milwaukee, Wis. Gas ranges and heaters. O-3 728

928a. **Milwaukee Tack and Nail Co., Mil**waukee, Wis. Army ovens, cookers, etc. O-3 727

Buzzacott's Army Field Ovens and Portable Camp Cookers as used by the entire U. S. Army, National Guard and Sporting Fraternity for all outdoor cooking, etc.

929. **New Era Fuel Appliance Company,** Chicago. Gas ranges, heaters, etc. O-3 728

Clothes-dryers for dwellings, flats and hotels. Laundry stoves, gas ranges.

929a. **Nevins, Laura, Range & Heating Co.,** Minneapolis, Minn. Stoves and ranges. O-3 727

930. **North-Western Stove Repair Com**pany, Chicago. Stove repairs, waterbacks, etc. O-3 727

930a. **Ohmer Flour Bin Co., Dayton, Ohio.** Flour bins and sifters. P-4 730

931. **Pease, J. F., Furnace Company, Syr**acuse, N. Y. Hot water, steam and combination heaters. O-4 725

932. **Peninsular Stove Company, Detroit,** Mich.
 a Furnaces. O-4 725
 b Stoves, ranges. 727

933. **Powers Duplex Regulator Company,** Chicago. Temperature regulators. O-3 726

934. **Pugh & Grovenor, Casselton, N. D.** Stoves and drums. O-3 727

935. **Rathbone, Sard & Co., Chicago.** Stoves and ranges. O-4 727

936. **Reading Stove Works, Reading, Pa.** Stoves, heaters, ranges and hot air furnaces. O-4 727

937. **Resor, Wm., & Co., Cincinnati.** Stoves and ranges. O-4 727

938. **Richardson & Boynton Co., Chicago.**
 a Furnaces, ranges and steam heating apparatus. O-4 725
 b Heating apparatus. 726
 c Ranges. 727

Heating and Cooking Apparatus, Refrigerators, Hollow Metal Ware, Etc.

Exhibit No. — Class'n No.

939. **Richer, Frank, New York.** Coffee and tea pots, urns and mills. O-3 730
"One Minute," "The Boss" coffee or tea pots and urns, with pulverized coffee or tea, will save one-half and make the production fifty per cent. better than any other method adopted. They save all the aroma, "food and stimulants." Address, 69 Warren st., New York.

940. **Ridgway Furnace Company, Boston.** Furnaces. O-3 725
Revolving open fire pot heaters. Awarded gold medal by Mass.Char. Mch.Assn. in 1892.

942. **Ronalds & Co., New York.** Boilers and copper ware. O-3 727

942a. **Schlueter, A. & F., Oakland, Cal.** Oil cans. P-4 730

943. **Smith & Anthony Stove Co., Boston.**
a Heaters. O-3 726
b Ranges and furnaces. 727

943a. **Southern Stove Works, Evansville, Ind.** Washing machines. O-3 730

944. **Spicer Stove Company, Providence, R. I.**
a Furnaces. O-3 725
b Stoves and ranges. 727
This company has made a phenomenal success of their productions since they commenced business in 1850. The Model Ranges and Parlors are the most perfect constructions yet made. Their "Model Grands" represent the very latest ideas of one of the most progressive makers in the world.

946. **Stone M'f'g Co., Columbus, Ohio.** Clothes wringers. O-3 730

947. **Stroud, Jas., New York.** Roasting pans and rollers. O-3 730

947a. **Superior Furnace Co., Little Falls, N. Y.** Hot air furnaces. O-3 725

948. **Tuttle & Bailey Mfg. Co., New York.** Registers, ventilators, screens, pedestals, etc. O-3 726
Also at Boston. Every variety of registers for heating and ventilation; of superior movements, finish and designs. Awarded first prize Centennial Exhibition, 1876.

948a. **Thomas, Roberts, Stevenson Company, Philadelphia.** Stoves and ranges. O-3 727
The horizontal boiler ranges made by this company take no brick work, occupy less space, make more hot water for the bath than a vertical boiler twice its size.

948b. **Traub, S. B., Range Co., Chicago.**
a Ranges and broilers. O-3 727
b Carving table. 730

948c. **Universal Sad Iron Co., Milwaukee, Wis.** Charcoal irons. O-3 730

Exhibit No. — Class'n No.

949. **Warner, J. W., Oneida, N. Y.** Hot water heater and boiler. O-3 726
Most rapid circulating boiler ever made.

951. **Wilcox Water Heater Company, Chicago.** O-3
a Hot water heater and radiator. 726
b Dish washer. 730

952. **Woods, Sherwood & Co., Lowell, Mass.** White wire household goods. O-3 730

953. **Woven Down Duster Company, Chicago.** Dusters. O-3 730

954. **Wrought Iron Range Company, St. Louis.**
a Furnaces. O-3 725
b Stoves and ranges. 727
c Kitchen utensils. 730

GROUP 116.

Refrigerators, Hollow Metal Ware, Tinware, Enameled Ware.

Exhibits in this group are installed in Sections P, Blocks 3 and 4; H, Block 3; G, Block 4; O, Block 2, and N, Block 4.

954a. **Adams & Westlake, Chicago.** Oil cans, flour sifters, etc. G-4 733

955. **Alaska Refrigerator Company, Muskegon, Mich.** Refrigerators, beer coolers, etc. P-4 731

956. **Belding Manufacturing Company, Chicago.** Refrigerators. P-4 731

957. **Chapman Manufacturing Company, Meriden, Conn.** Hardware specialties. P-3 732

957a. **Daemicke, Paul J., Chicago.** Refrigerators and cooling rooms. P-4 731
Market fixtures, butchers' supplies, etc. Office and factory, Halsted and Fulton Sts.

958. **Grand Rapids Refrigerator Company, Grand Rapids, Mich.** Refrigerators. P-4 731
Specially for the use of families, restaurants, grocers and butchers. The Leonard cleanable system of refrigeration excels all others.

959. **Griswold Manufacturing Company, Erie, Pa.** Cast iron hollow ware. G-4 732
Manufacturers of the celebrated extra finished Erie Hollow Ware American Dampers, American Waffle Irons, and all kinds of stove furniture. Send for catalogue.

Refrigerators, Hollow Ware, Wire Goods, Etc.

Exhibit No. — Class'n No.

61. **Hurd Refrigerator Company, Duluth,** Minn. Refrigerators. P-4 731
The celebrated Hurd household refrigerators. Butchers' cooling rooms, beer coolers, office, bank, saloon, store fixtures.

62. **Iron Clad Manufacturing Company,** New York. Enameled ware; milk cans. N-4 734

63. **Keen & Hagerty, Baltimore.** Tinware. G-4 733

65. **Lippincott, Chas. & Co., Philadelphia.** Soda water apparatus. H-3 731
Soda water apparatus; copper and iron bottling machinery and generators, copper and steel fountains, extracts, fruit juices, supplies, etc. Branches: Chicago, St. Louis, Minneapolis, San Francisco, Boston, Cincinnati and Waco.

66. **Low Art Tile Company, Chelsea,** Mass. Soda fountain. H-3 731
The most artistic and best ever made.

67. **Matthew, John, Apparatus Company,** New York. Soda water apparatus. H-3 731

68. **Northern Refrigerator Company,** Grand Rapids, Mich. Refrigerators. P-4 731
Manufacturers of the famous Glacier cold dry-air refrigerators.

69. **Puffer, A. D., & Sons, Boston.** Soda water apparatus. H-3 731

71. **Shirk, G. M., Manufacturing Co. Chicago.** Refrigerators. P-4 731

72. **Smith & Anthony Stove Co., Boston.** Kettles. G-4 732

73. **Sperry, D. R., & Co. Batavia, Ill.** Cooking utensils. G-4 732
Caldrons, bailed kettles, steam jacket kettles, vacuum pans, drug mortars, amalgam retorts, "The Profit" farm boilers, hollow-ware, etc. Send for catalogue.

73a. **Summit Refrigerator Co., Michigan** City, Ind. Refrigerators. O-2 731

74. **Thomson, J. S., Erie, Pa.** Refrigerators. P-4 731

75. **Tufts, Jas. W., Boston.** Soda water apparatus. H-3 731

76. **Vienna Enamel & Stamping Co.,** Chicago. Enameled steel ware. P-4 734
49 Lake st., Chicago. Works, Porter, Ind.

77. **Vollrath, The Jacob J., Manufacturing** Company, Sheboygan, Wis. Iron ware. N-4 734

78. **Wagner Manufacturing Company,** Sidney, Ohio. Hollow ware. H-3 732

78a. **Wickes Refrigerator Co., Chicago.** Cooling room. H-3 732

Exhibit No. — Class'n No.

978b. **Wilke, Fred A., Richmond, Ind.** Portable china kilns. P-4 732
For firing decorated china.

979. **Wisconsin Refrigerator Company,** Eau Claire, Wis. Hardwood household refrigerators. P-4 731
Established 1889. High grade refrigerators. Perfect system of circulation. Cleansable flues, use of which makes refrigerator always sweet and prevents disagreeable odor found in all other refrigerators. Mineral wool filled. Awarded highest prize (gold medal) Jamaica Exposition, 1891.

979a. **Zwietusch, Otto, Milwaukee, Wis.** Soda water and dispensing apparatus. H-3 731
Columbian draft apparatus; steel fountains. Highest medal Centennial Exposition, 1876. Chicago Branch, 419 Dearborn St.

GROUP 117.

Wire Goods and Screens, Perforated Sheets, Lattice Work, Fencing, Etc.

Exhibits in this group are installed in Sections Q, Blocks 2 and 3; H, Block 3, and N, Block 1.

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980. **Baackes Wire Nail Company, Cleveland,** Ohio. Wire of every description. Q-3 735

981. **Burrowes, E. T., & Co., Portland,** Me. Wire window screens and doors. Q-3 738
Screen factories, the largest in the world. Specialty, screening new houses to order; 35,000 fine houses screened by us in 42 states. Offices in all large cities.

982. **Clinton Wire Cloth Company, Clinton,** Mass. Wire of all kinds. Q-3 735

983. **Gilbert & Bennett Manufacturing** Co., Chicago. Wire goods. Q-3 735
Oldest and leading makers of galvanized wire goods, wire cloth and fencing in America; 75 years in business. Georgetown, Ct.; 44 Cliff St., New York; 148 Lake St., Chicago.

983a. **New Jersey Wire Cloth Co., Trenton,** N. J. Wire lath. H-3 735

984. **Roebling's, John A., Sons Company,** Chicago. Wire of all descriptions. Q-2 735
Bare and insulated copper wire for all purposes; telegraph wire; wire cloth and nettings. Offices and warehouses: 171-173 Lake St., Chicago; 117 Liberty St., New York; 25 Fremont St., San Francisco.

Wrought Iron and Plain Metal Exhibits.

Exhibit No. — Class'n No.

984a. **Tiffany Glass & Decorating Co., New** York. Artistic lattice work. N-1 740

985. **Translucent Fabric Company, Clin**ton, Mass. Translucent fabrics for windows and transoms. Q-3 735

986. **Trenton Iron Co., Trenton, N. J.** Wire of various kinds. Dept. G 742

987. **United States Wire Mat Company,** Decatur, Ill. Wire mats and matting. Q-3 741

988. **Washburn & Moen Manufacturing** Co., Worcester, Mass. Wire of all kinds. Q-3 742

Attention is called to the Washburn & Moen M'f'g Co.'s advertisement in the Official Directory of the World's Columbian Exposition; also to their exhibit, located in the Manufactures and Liberal Arts Building, Section Q, 3, N. E. space 23.

GROUP 118.

Wrought Iron and Plain Metal Exhibits.

Exhibits in this group are installed in Sections G, Block 4; H, Block 3; P, Block 4, and N, Block 1.

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989. **Barnum, E. T., Detroit, Mich.** Wire and ironwork. H-3 743

990. **Bayer & Scherbner, New York.** Artistic wrought iron, grille work, etc. H-3 743

Manufacturer and patentee of folding gates for elevator and store entrances.

991. **Bryant & Watson, Crawfordsville,** Ind. Crest tile. H-3 743

992. **Canton Steel Roofing Company,** Canton, Ohio. Sheet metal roofing, siding, etc. H-3 745

992a. **Capewell Horse Nail Co., The, Hart**ford, Conn. Horse shoe nails. P-4 746

Organized 1880. Makers of the Capewell horse nail, famous as "the best horse nail in the world," and of the Capewell patent corrugated horse nail, which does not need clinching. Used in U. S. Army. Chicago branch, 15 S. Jefferson St.

993. **Central Iron & Steel Works, Brazil,** Ind. Wrought iron turnbuckles. H-3 745

994. **Champion Iron Company, Kenton,** Ohio. Ironwork and ornamental iron. H-3 743

996. **Cortright Metal Roofing Company,** Philadelphia. Metal tiles and shingles. H-3 745

996a. **Desmond, Cornelius, Pittsfield,** Mass. Horse shoes. G-4 746

997. **Hainsworth, F. & Son, Chicago.** Iron grille work. H-3 743

998. **Hogan, John, Fitchburg, Mass.** Horseshoes. G-4 746

998a. **Nielsen, N. P., Chicago.** Horse shoes. G-4 746

999. **North Western Horse Nail Manu**facturing Company, Chicago. Horseshoes and nails. G-4 746

Manufacturers of highest grade nails. Large and small heads for general use. Makers of the Doble nail, the Kent special and the finest plate nails for the shoeing of trotters, pacers and race-horses. All styles and sizes shown in exhibit.

1000. **Omniform M'f'g Co., New Bruns**wick, N. J. Horseshoes, and methods of shoeing horses. G-4 746

1001. **Putnam Nail Company, Boston.** Horseshoe nails. G-4 746

Hot forged by hammer blows from the rod and hammer pointed without shearing. Highest award at Philadelphia Centennial. Government standard.

1002. **Rhode Island Perkins Horseshoe** Company, Providence, R. I. Horseshoes and toe calks. G-4 746

1003. **Russell, Wm., Cincinnati.** Horse-shoes. G-4 746

For best display of morbid specimens of horses' feet caused by improper shoeing. For best display of handmade horse shoes. For best display of horse shoers' tools. Russell on scientific horse shoeing.

1003a. **Seidels, Paul, Ornamental Archi**tectural Iron Works, Chicago. Ornamental iron forgings. H-3 743

1003b. **Tiffany Glass & Decorating Co.,** New York. Wrought iron work, artistic forgings. N-1 743

1004. **Van Every, C. M., Jr., Bronson,** Mich. Iron and steel forgings. H-3 745&746

1005. **Wedekind, Wm., Hagerstown, Ind.** Horse shoes and horse shoe tools. H-3 746

1006. **Winslow Bros. Company, Chicago.** Ornamental iron. H-3 743

Stairs, railings, elevator enclosures, grille work, hammered leaf, or artistic wrought iron work, finished in our Bower-Barff rustless process, electro-plated in bronze brass, copper or silver. Solid aluminum duplex electro-bronze and fire gilding.

GROUP 119.

Vaults, Safes, Hardware, Tools, Cutlery.

Exhibits in this group are installed in Sections P, Blocks 3 and 4; O, Block 3; Q, Block 2; and Gallery, Section F.

Exhibit No. — Class'n No.

1007. **American Screw Company, Providence, R. I.** Screws, bolts, rivets, etc. P-3 747

1007a. **American Vault, Safe and Lock Co., Chicago.** Vaults, safes and locks. O-3 752

1008. **Ames, Oliver, Sons Corporation, North Easton, Mass.** Shovels, spades, etc. P-4 748

1009. **Atlas Tack Corporation, Boston.** Tacks, brads, nails, glaziers' points, etc. P-3 747

Established 1810, consolidated 1891. The oldest and largest manufacturers in the world of tacks, brads, nails, tufting, buttons, escutcheon pins, glaziers' points, eyelets, rivets, staples, pilgrim spring beds, and other articles. Chicago office, 239 Lake Street.

1010. **Bardsley, Jos., New York.** Wooden door knobs, door springs, checks and checking spring hinges. P-3 747

1011. **Barney & Berry, Springfield, Mass.** Ice and roller skates. P-4 751

1012. **Baker, L. A., & Co., Elgin, Ill.** Shingle nailing machine. P-4 748

1013. **Blount Manufacturing Company, Boston.** Hardware specialties. P-3 747

1014. **Bohanan, Wilson, Brooklyn, N. Y.** Latches, locks, handles, etc. Q-2 747

1015. **Bommer Bros., Brooklyn, N. Y.** Spiral spring hinges. Q-2 747

With improvements of great importance.

1017. **Buck Bros., Millbury, Mass.** Light edge tools. P-4 749

1018. **Buck, Chas., Millbury, Mass.** Edge tools. P-4 749

1019. **Campbell Cutlery Company, Syracuse, N. Y.** Cutlery. Gal. F-4 751

1019a. **Capewell, C. J., Hartford, Conn.** Hammer and nail puller. P-4 748

1020. **Carey Safe Company, Buffalo, N. Y.** Safes. Q-2 752

1021a. **Check-Controlled Lock Co., Cleveland, Ohio.** Check controlled lock. P-4 747

1022. **Chicago Spring Butt Company, Chicago.** Builders' hardware. P-3 747

Spring hinges our main line. To swing heavy or light doors, one or both ways. Special hinges for fire engine house doors. In general use in the United States, England, France and Germany. Catalogue by mail.

1023. **Cincinnati Tool Company, Cincinnati.** Mechanics' tools. P-4 748

1024. **Clauss Shear Company, Fremont, Ohio.** Shears, scissors and knives. P-3 751

1026. **Deal & Brenizer, Canton, Ohio.** Combination locks. Q-2 747

1027. **Detroit Cork Screw Co., Detroit, Mich.** Corkscrews; knife and corkscrew combined. P-4 751

Cut worm screws a specialty.

1028. **Detroit Safe Company, Detroit, Mich.** Safes, vaults, vault doors and locks. Q-2 752

1028a. **Disston, Henry & Sons (Inc.), Philadelphia.**

a Plumbs, levels, squares and bevels. 748

A full and complete line.

b Files and rasps. 750

One of the largest manufacturers in the United States, making a complete line.

1029. **Eagle Lock Company, Terryville, Conn.** Locks, keys and hardware specialties. P-3 747

1030. **Geneva Tool Company, Geneva, Ohio.** Hand farming and garden tools. P-4 748

1031. **Gibson, Wm. D., Company, Chicago.** Springs. P-3 747

1033. **Hatch Cutlery Co., South Milwaukee, Wis.** Shears, scissors, pocket cutlery and razors. P-3 751

1035. **Herring-Hall-Marvin Co., Cincinnati.** Vaults, safes, locks, etc. Q-2 752

1038. **Iowa Farming Tool Company, Ft. Madison, Iowa.** Hand farming tools. P-4 748

1039. **Ives, Hobart B., & Co., New Haven, Conn.** Sash locks and bolts. P-4 747

The double eccentric mechanism applied to the Ives Patent Sash Lock provides for locking when either opened or closed, and for bringing the meeting rails together easily and locking securely has no rival.

1040. **Jennings, C. E., & Co., New York.** Carpenters' tools. P-4 749

1041. **Kearney & Foot Co., New York.** Files and rasps. P-3 750

Main office, 100 and 102 Reade St., New York. Works, Paterson, N. J., U. S. A. "Files" for general mechanical use. "Rasps" for blacksmiths' or farriers' and woodworkers' use. Daily shipment from works, 1,500 dozen a day. Business connections desired in all parts of the world.

1042. **Knickerbocker Ice Co., Chicago.** Ice cutting tools. Dept. G 749

Safes, Hardware, Plumbing and Sanitary Materials.

Exhibit No. — Class'n No.

1043. **Lynch Manufacturing Company,** Madison, Wis. Lock buckles and illustrations. P-4 747
For bicycles, grips, trunk and case straps.

1044. **Maydole, David, Hammer Company,** Norwich, N. Y. Hammers. P-4 748
David Maydole began making hammers in 1835; was first maker of adze-eye hammers. Estab. 1845; works on site now occupied. First prize, Am. Inst., 1849; Maryland Inst., 1852; Centennial Ex., Phila., 1876. His hammers are sold in nearly every country in the world; best reputation of any hammer made.

1045. **McCaffrey File Company, Philadelphia.** Files and rasps. P-3 750
Highest premium wherever exhibited.

1046. **Miller Lock Company, Philadelphia.** Locks, padlocks and P. O. lock boxes. P-3 747
Illustrated catalogue free by mail.

1048. **Mosler, Bahmann & Co., Cincinnati.** Fire and burglar proof safes, vaults, locks, etc. Q-2 752

1051. **National Safe & Lock Co., Cleveland,** Ohio. Safes, vaults and vault fronts. Q-2 752

1052. **Nicholson File Company, Providence,** R. I. Files and rasps. P-3 750

1053. **Northfield Knife Company, Northfield,** Conn. Pocket cutlery. P-4 751

1054. **Norton Door Check & Spring Co.,** Boston. Door check and spring for doors. P-4 747

1055. **Osborne, C. S., &Co., Newark, N. J.** Saddle and harness tools. P-4 748
Estab. 1826. Our tools are used in all parts of the world. Write for illust. catalogue.

1055a. **Plumb, Fayette R., Philadelphia.**
a Hammers, sledges, etc. 748
b Edge tools. P-3 749
The largest, most complete, and best finished line of hammers, hatchets, broad axes, cleavers, sledges, railroad, miners' and blacksmiths' tools made in the world. I challenge competition. The highest awards received at the Centennial Exposition, 1876; Sydney, New South Wales, 1879; also Cotton Centennial Exposition, New Orleans, 1885.

1056. **Rhode Island Tool Company, Providence,** R. I. Machinists' supplies. P-4 747

1057. **Rose, Wm., & Bros., Sharon Hill,** Pa. Mechanics' tools. P-4 748

1058. **Russell & Erwin Manufacturing Co.,** New Britain, Conn. Hardware; house furnishing goods. Q-2 747

1059. **Schenck, M. B., & Co., Meriden,** Conn. Casters. P-3 747

1060. **Snell Manufacturing Company, Fiskdale,** Mass. Boring tools. P-4 749

1061. **Stanley Rule & Level Co., New** Britain, Conn. Carpenters' tools. P-4 749
Improved labor-saving carpenters' tools, including Bailey's patent adjustable bench planes.

1061a. **Stanley Works, New Britain, Conn.** Builders and cabinet hardware. Q-2 747

1062. **Sternbergh, J. H., & Son, Reading,** Pa. Bolts, nuts, rivets, screws, etc. Q-2 747

1062a. **Stover Manufacturing Co., Freeport,** Ill. Builders' hardware. Dept. A 747

1063. **Torrey, J. R., Razor Co., Worcester,** Mass. Razors. P-4 751

1064. **Van Wagoner & Williams Co.,** Cleveland, Ohio. Hinges; spring. P-3 747

1065. **White, J. C., Waseca, Minn. Nail** counter. P-4 747

1066. **Withington & Cooley Manufacturing** Co., Jackson, Mich. Hand, farm and garden tools. P-4 749
Works established in 1848. Line comprises hoes, forks, garden and lawn rakes, potato hooks, scythe-snaths, handles, etc. Product sold throughout the world.

GROUP 120.

Plumbing and Sanitary Materials.

Exhibits in this group are installed in Section N, Block 4.

1067. **Alberene Stone Company, New York.** Sanitary and plumbing specialties. 755

1068. **Dawes & Myler, New Brighton, Pa.** Bath tubs, laundry trays, etc. 753

1069. **Day Manufacturing Company, Detroit,** Mich. Self-heating bath tubs and bath tub heaters. 753

1070. **Instantaneous Water Heating Company,** Chicago. Water heaters used with gas. 753

1072. **Kilbourne & Jacobs Manufacturing** Co., Columbus, Ohio. Wrought steel sinks. 755

1073. **Lang, E. M., & Co., Portland, Me.** Stick, drop and wire solder. 756

1074. **Lehner, Johnson, Hoyer Manufacturing Company,** Chicago. Plumbers' brass goods. 756

1075. **McCambridge & Co., Philadelphia.** Brass material for plumbing, porcelain basins, tubs, etc. 753

1076. **Mosely Folding Bath Tub Company,** Chicago. Folding bath tubs and water heaters. 753

Plumbing Materials, Miscellaneous Articles of Manufacture.

Exhibit No. — Class'n No.

077. **Norton Bros., Chicago.** Sanitary water closets. 754

078. **Oswego Indurated Fibre Company,** Oswego, N. Y. Bath tubs, laundry trays, sinks, etc. 753

079. **Peck Bros. & Co., Chicago.** Brass work for plumbers, etc. 756

080. **Randolph & Clowes, Waterbury,** Conn. Copper range boilers and brass kettles. 756

081. **Smith & Anthony Stove Co., Boston.** Water closets, lavatories, bath tubs, sinks, etc. 754

082. **Standard Manufacturing Company,** Pittsburg, Pa.
 a Bath tubs, hollow ware. 753
 b Plumbers' iron ware and sanitary goods. 756

083. **Steel Clad Bath Tub Co., Detroit,** Mich. Bath tubs. 753

084. **Stewart Ceramic Company, New** York.
 a Wash tubs, sinks, etc. 755
 b Bath tubs. 753

085. **Strong, Boyce & Co., Indianapolis,** Ind. Water closets, washstands, bowls and fixtures. 754

GROUP 121.

Miscellaneous Articles of Manufacture Not Heretofore Classed.

Exhibits in this group are installed in Sections P, Block 4; Q, Block 1, and Gallery Sections F and G.

086. **Alpena Spool Co., Alpena, Mich.** Spool and curtain poles. Gal. F-1

088. **Brown Bros. M'f'g Co., Chicago.** Vault lights. Gal. F-1

092. **Campbell Cutlery Co., Syracuse,** N. Y. Display trays for cutlery, etc. Gal. F-4

092a. **Cummins, B. F., Co., Chicago.** Perforating ticket dater. Exit gates.

092b. **Cushman & Denison, New York.** Pocket oil cans. Gal. F-1

Perfect pocket oilers for bicycles, typewriters and sewing machines, etc., etc.

094. **Daemicke, Paul J., Chicago.** Counter block, etc., for butchers. P-4

095. **Diamond Match Company, Chicago.** Matches. Gal. F-1

Manufacturers of all kinds of matches for export and domestic use. See match exhibit. See World's Fair Store, 17 Midway Plaisance. Chicago store, 56 Michigan Av.; New York store, 88 Hudson Street, and stores in all other large cities.

Exhibit No. — Class'n No.

1095a. **Excelsior Burglar Alarm Co., Cleve**land, Ohio. Burglar alarms. Dept. A

1096. **Faries, Robert, Decatur, Ill.** Display fixtures for stores. Gal. F-1

Revolving stands a specialty.

1096a. **Haynes, N. B., Co., Chicago.** Display rack. Gal. G-5

1096b. **Hicks, F. M., & Co., Chicago.** Footlights and skylights. Gal. F-1

1097. **Hoffman, Geo. Wm., Indianapolis,** Ind. Metal polishes. Gal. F-1

1098. **Home Embroidery Machine Co.,** Kansas City, Kas. Embroidery machine and sample work. Gal. G-5

1099. **Improved Cloak Rack Co., New** York. Revolving cloak stands for exhibiting cloaks. Gal. G-5

1101. **International Identification Card** Co., Chicago. Identification card. Gal. F-4

1102a. **Major, A., New York.** Cement for rubber and leather goods and crockery ware. Gal. F-1

1102. **Leger, Edward, & Son, Chicago.** Display stands and fixtures. Gal. F-1

1103. **Matchless Metal Polish Company,** Chicago. Metal polishes, etc. Gal. F-1

1103a. **McDowell Co., New York.** Garment drafting machines. Gal. G-5

1104. **Meyers Putz Pomade Company, Bos**ton. Liquid metal polish. Gal. F-1

1105. **New Haven Car Register Co., New** Haven, Conn. Fare registers. P-4

1107. **Palmenberg's Sons, J. R., New York.** Window display fixtures and forms. Gal. F-1

1108. **Palm Letter Company, Cincinnati.** Transfer letters and ornaments. Gal. F-1

1108a. **Palmetto Fibre Co., Chicago.** Brushes. Gal. F-1

1109. **Paul, John C., & Co., Chicago.** Metal polish. Gal. G-11

1111. **Queen Silver Polish Company, New** York. Silver polish. Gal. F-1

1112. **Ridgely & Smith, Springfield, Ohio.** Paper trimmer and paper hangers' roller. Gal. G-6

1112a. **Rodwell Manufacturing Co., Buffalo,** N. Y. Sign letters. Gal. F-1

1113. **Stafford, N., New York.** Metal badges, checks, numbers and signs. Gal. F-1

1114. **Wayne Oil Tank Co., Ft. Wayne,** Ind. Self measuring oil tank. Q-1

1116. **White, Otis C., Worcester, Mass.** Ball and socket joints. Gal. F-1

Electric light supporters for all manufacturing, mining and office uses. With firm grip and power of quick change; these new

Miscellaneous Articles of Manufacture Not Heretofore Classified.

Exhibit No. Class'n No.
joints are also used by machinists, dentists, photographers, etc., to hold adjustable any tool or appliance, without regard to weight or size.

1117. **Wyckoff, Seamans & Benedict, New York,** Typewriters' supplies. Gal. F-2
"W. S. & B." "Paragon" ribbons are used exclusively in all departments of the World's Columbian Exposition. The same pre-eminence is accorded "W. S. & B.," "Paragon" and "Regent" linen papers and their other typewriter supplies by all users of high class stationery.

Collective Exhibit of New England Manufacturing Jewelers' Association of Providence, R. I.

LOCATION—SEC. 0-1.

GROUP 98.

Exhibit No. Class'n No.

1. **Arnold & Steere, Providence, R. I.** Gold ornaments and rings. 612
2. **Ballon, B. A., & Co., Providence, R.I.** Safety pins. 612
3. **Blackinton, W.& S., Attleboro, Mass.** Gold plate, silver and fancy chains. 616
4. **Cahoone, Geo. H., & Co., Providence, R. I.** General jewelry. 612
5. **Child, D. R., & Co., Swansea, Mass.** Cuff and collar buttons. 616
6. **Clark & Coombs, Providence, R. I.** Plated rings. 616
7. **Devereux, O. C., & Co., Providence, R. I.** Plated link and collar buttons, silver ornaments. 616
8. **Fanning, J. H., & Co., Providence, R. I.** Gold-plated charm-lockets, chains, etc. 616
9. **Flint, Blood & Co., Providence, R. I.** Plated rings. 612
10. **Foster & Bailey, Providence, R. I.**
    a Gold lockets, lace pins, etc. 612
    b Gold plated bracelets, chains, etc. 616
11. **Fuller, Geo. H., & Co., Pawtucket, R. I.** Jewelers' findings, ornaments and supplies. 612
12. **Grant, J. W., & Co., Providence, R. I.** Gold-plated chains, bracelets and silver jewelry. 616
13. **Griffith, R. L., & Son, Providence, R. I.** Scarf and lace pins, etc., and shell novelties. 616
14. **Hancock, Becker & Co., Providence, R. I.**
    a Gold rings, mountings, studs, etc. 612
    b Gold-plated broaches, etc. 616
15. **Irons, Chas. F., Providence, R. I.**
    a Gold emblems. 612
    b Plated charms and rings. 616

Exhibit No. Clnss'n No.

16. **Lederer, S. & B., Providence, R. I** Plated jewelry, emblems, etc. 61
17. **Leland, W. H., & Co., Providence** R. I. Engravings and designs of jewelry 61
18. **Lind, Thomas W., Providence, R. I** Engravings and designs of jewelry. 61
19. **Lorsch, A., & Co., Providence, R. I**
    a Diamonds and other gems. 61
    b Agate and other ornaments. 61
    c Imitation precious stones. 61
20. **Marden & Kettleby, Providence, R. I** Lace and stick pins. 61
21. **Moorhead, R. L., & Co., Providence** R. I. Plated lace and scarf pins, chains etc., and silver novelties. 61
22. **Payton & Kelley, Providence, R. I** Plated bracelets, neck and eye-glas chains, etc. 61
23. **Pearce, F. T., & Co., Providence, R. I** Gold and silver pens and pencils. 61
24. **Providence Stock Co., Providence** R. I.
    a Gold and silver chains, etc. 61
    b Plated chains, necklaces, charms, etc 61
25. **Read, M. L., & Co., Providence, R. I**
    a Scarf pins, studs, etc. 61
    b Plated pins, drops, buttons, etc. 61
26. **Seery Manufacturing Co., Providence** R. I. Chains and rings. 61
27. **Spencer, E. L., & Co., Attleboro** Mass. Gold, lace and scarf pins, drops etc. 61
28. **Webster, W. E., & Co., Providence** R. I. Gold rings. 61

Collective Exhibit of United States Potters' Association.

LOCATION—Sec. Q-1.

GROUP 91.

Exhibit No. — Class'n No.

1. **Bennett, Edwin, Pottery Co., Baltimore.** Semi-porcelain ware, decorated. 576
2. **Brandywine Summit Kaolin & Feldspar Co., Philadelphia.** Feldspar and kaolin. 576
3. **Burroughs & Mountford Co., Trenton, N. J.** Semi-porcelain and specialties in decorated ware. 576
4. **Cartwright Bros., E. Liverpool, Ohio.**
   a White granite. 575
   b Decorated goods. 576
5. **Golding & Son Co., Trenton, N. J.** Potters' materials. 576
6. **Globe Pottery Co., E. Liverpool, Ohio.** Yellow and Rockingham goods, plain and decorated. 576
7. **Haynes, Bennett & Co., Baltimore.** Art pottery and decorated ware. 576
8. **International Pottery Co., Trenton, N. J.** Semi-porcelain ware. Royal blue decorations. 576
9. **Jeffords, J. E., & Co., Philadelphia.** Yellow Rockingham and stone ware in colored glaze and decorations. 576
10. **Knowles, Taylor & Anderson, E. Liverpool, Ohio.** Potters' supplies. 576
11. **Knowles, Taylor & Knowles, E. Liverpool, Ohio.**
    a Vitreous hotel china and white granite wares. 576
    b Plain and decorated china. 577
12. **Laughlin, Homer, E. Liverpool, Ohio.**
    a White granite. 575
    b Decorated ware. 576
13. **Lonhuda Pottery Co., Steubenville, Ohio.** Art faience. 576
14. **Mayer Pottery Co., Trenton, N. J.** Majolica and white granite and specialties. 576

Exhibit No. — Class'n No.

15. **Mayer Pottery Co., Ltd., Beaver Falls, Pa.** Plain and decorated ware. 576
16. **McNicol, D. E., E. Liverpool Ohio.** Rockingham yellow ware and C. C. decorated. 576
17. **Mercer Pottery Co., Trenton, N. J.** Semi-porcelain and white granite. 576
18. **New England Pottery Co., E. Boston, Mass.** Decorated semi-porcelain. 576
19. **Ohio Valley China Co., Wheeling, W. Va.** Art china. 576
20. **Onondaga Pottery Co., Syracuse, N. Y.**
    a Semi-porclain, white granite. 576
    b Translucent china, decorated ware. 577
21. **Ott & Brewer Co., Trenton, N. J.** Belleck and semi-porcelain. 576
22. **Potters' Co-operative Co., E. Liverpool, Ohio.** Dresden china, plain and decorated. 576
23. **Peoria Pottery Co., Peoria, Ill.** Semi-porcelain ware, plain and decorated. 576
24. **Rookwood Pottery Co., Cincinnati.** Art faience. 576
25. **Sebring Pottery Co., E. Liverpool, Ohio.**
    a White granite. 575
    b Decorated goods. 576
26. **Spencer, Howard, Kaolin, Pa.** Kaolin. 576
27. **Toronto Pottery Co., Toronto, Ohio.** Parisian granite, plain and decorated. 575
28. **Thompson, C. C., Pottery Co., E. Liverpool, Ohio.** Rockingham Yellow C. C. wares. 575
29. **Warwick China Co., Wheeling, W. Va.** Semi-porcelain decorated ware. 576
30. **Willets Manufacturing Co., Trenton, N. J.** Belleck ware, white and decorated. 576

WOMEN'S DEPARTMENT.

LOCATION—GALLERY, SEC. F, 6 and 11.

GROUP 87.

Exhibit No. — Class'n No.

1. Austrian, Lena G., Chicago. Hair tonic and lotion. 549
2. Gage, Mary Mott, Chicago. Toilet preparations. 549
3. Osterhout, Mrs. E. A., Chicago. Toilet soap. 549

GROUP 88.

4. Hall, Fannie E., New York. Ceramic colors. 555
5. Puissegur, Sophie B., New York. Varnishes. 554

GROUP 89.

6. Hawes, Mrs. Jessie, Greeley, Col. Decorated card. 557
7. Parks, Annie M., Albany, N. Y. Perforating machine. 564

GROUP 90.

8. Coffin, Minnie A., Indianapolis, Ind. Portiere. 568

GROUP 91.

10. Adams, Isabelle, Englewood, Ill. Decorated china. 577
13. Brown & Eberhardt, Philadelphia. China bric-a-brac, statuary, etc. 576
13a. Bonnell, Mrs. L. B., Helena, Mont. Painted china. 577
14. Bushnell, Mrs. Geo., Denver, Col. Decorated china. 576
15. Case, Mrs. Nettie, Denver, Col. Decorated china. 576
16. Case, Mrs. W. B., Denver, Colo. Painted china. 577
18. Cincinnati Ceramic Art Club, Cincinnati. China decorations. 577
18a. Wilder, Mrs. Eugene, Boulder, Colo. Painted china. 577

Collective Exhibit of Columbian Ceramic Association. Class 577.

19. Adams, Miss E., Troy, N. Y. Painted china plate.
20. Alison, Mrs. C. W., Chicago. Painted china.
21. Ayers, Mrs. J. C., Peoria, Ill. Painted china plate.

Exhibit No. — Class' No.

22. Baker, Miss Amelia, Watertown N. Y. Painted china tete-a-tete.
23. Baker, Mrs. Lacy A., Tuscumbia, Ala Painted china vase; tete-a-tete set.
24. Barnes, Miss M. O., Chicago. Painte china jardiniere vase.
25. Bascone, Mrs. Adele, Chicago Painted china jardiniere.
26. Bigelow, Mrs. W. W., Chicago Painted china plates.
27. Blakesley, Mrs. Ella, Davenport, Ia Painted china.
28. Bliven, Mrs. C. E., Chicago. Painte china tankard.
29. Bock, Mrs., Omaha, Neb. Painte china vase.
30. Bond, Mrs. F. N., Chicago. Painte china.
31. Brown, Mrs. Bernard, Helena, Mont Painted china comb and brush tray.
32. Butterfield, Miss M. M., Omaha, Neb Painted china vase.
33. Chadwick, Mrs. A. E., Chicago Painted china vase.
34. Clark, Mrs. Eva Fenn, South Bend Ind. Painted china pitcher and plates.
35. Clarke, Mrs. A. E., Chicago. Painte china lamp and vase.
36. Clarke, Mrs. H. M., Chicago. Painte china vase.
37. Coy, Miss E. Annie, Rockford, Ill china platter, tray, etc.
38. Crawford, Mrs. H. F., Chicago Painted china jardiniere.
39. Crittenden, Mrs. F. A., Geneva, Ill Painted china salad set.
40. DeWolf, Mrs. W. F., Englewood, Ill Painted china vase and panels.
41. Dixon, Mrs. L. B., Chicago. Painte china panel.
42. Dupee, Mrs. C. A., Chicago. Painte china plaque.
43. Eaton, Mrs. D. B., Chicago. Painte china jardiniere.
44. Elee, Miss Sarah, Galena, Ill. Painte china.
45. Farnum, Mrs. H. C. Portrait of President Palmer in ceramic.
46. Felgar, Mrs. David, Newton, Kas Painted china teapot, sugar, etc.
47. Fink, Miss Juliet R., Hillsboro, Ill Painted china plate and trinket set.

Collective Exhibit of Columbian Ceramic Association.

Exhibit No. — Class'n No.

. Fisher, Mrs. L. G., Chicago. Painted china tete-a-tete set.

. Forsyth, Mrs. M. A., Toledo, Ohio. Painted china vase and plate.

. Foster, Mrs. Flora D., Peoria, Ill. Painted china plate.

. Foster, Mrs. W. H., Genesee, Ill. Painted china vase and slab.

. Fussell, Miss Helen A., Chicago. Painted china vase.

. Galbreath, Miss Etta, Ft. Arizona. Painted china plaque.

. Gleason, Mrs. W. H., Chicago. Painted china portrait.

. Graves, Mrs. Dwight W., Chicago. Painted china medallion head.

. Gunsolus, Mrs. Annie H., Detroit, Mich. Painted china vase.

. Hall, Mrs. Olive H., Chicago. Painted china plates and plaques.

. Hancock, Mrs. F. H., Davenport, Iowa. Painted china.

. Harris, Mrs. Roswell, Detroit, Mich. Painted china.

. Harrison, Miss Annie Pratt, Chicago. Painted china jardiniere.

. Hathaway, Mrs. James, Chicago. Painted china tile.

. Hearne, Miss Coralie, Dallas, Texas. Painted china vase plate.

. Henderson, Miss Alouise, Virden, Ill. Painted china.

. Hendrick, Miss M. Ernestine, Chicago. Painted china.

. Henermann, Miss Magola, Chicago. Painted china plaques.

. Hess, Miss Mollie, Chicago. Painted china vase.

. Hills, Miss Care M., Cambridge, Mass. Painted china cup, saucer, vase and plate.

. Hiner, Mrs. M. L., Fond du Lac, Wis. Painted china fish set.

. Hinman, Miss Olivia S., Battle Creek, Mich. Painted china tea set.

. Holley, Mrs. Avis B., Bellows Falls, Vt. Painted china jardiniere.

. Holloway, Mrs. Geo., Chicago. Painted china vase, tray and jar.

. Horlocker, Miss Leta, Kearney, Neb. Painted china vase.

. Hunt, Miss Salie, Dixon, Ill. Painted china plates.

. Iglehart, Miss M. E., Chicago. Painted china panel and tray.

. Irwin, Mrs. I. Kilshaw, Mobile, Ala. Painted china portrait.

. Jahn, Prof. A., Chicago. Painted china vase.

Exhibit No. — Class'n No.

77. Jahn, Mrs. A., Chicago. Painted china slab.

78. Jenkins, Mrs. V. B., Chicago. Painted china lamp, plaque and panel.

79. Johnston, Mrs. John, Chicago. china vase and plaque.

80. Jomer, Miss Alice, Polo, Ill. Painted china vase.

81. Kembel, Miss Martha, Hastings, Neb. Painted china plate.

82. King, Mrs. Philo B., Chicago. Painted china umbrella stand.

83. Koehler, Mrs. Florence D., Kansas City, Mo. Painted china vase.

84. Kofel, Miss Caroline, Chicago. Painted china plates.

85. Kramer, Miss Minnie, Chicago. Painted china creamer.

86. Lavaron, Miss Leonide, Chicago. Painted china punch bowl, slab and plaque.

87. Lehman, Miss Carrie, Chicago. Painted china plates.

88. Leman, Mrs. H. W., Chicago. Painted china vase.

89. Leykauf, Mrs. Geo., Detroit, Mich. Painted china punch set.

90. Little, Miss S. R., Chicago. Painted china vase.

91. Lund, Mrs. Virtus, Lyons, Iowa. Painted china.

92. Mason, Mrs. Wm. A., Chicago. Painted china plates.

93. McClellan, Mrs. R. H., Galena, Ill. Painted china jardinieres.

94. McClure, Mrs. Jane D., Peoria, Ill. Painted china platter.

95. McCullough, Mrs. J. W., Davenport, Iowa. Painted china plate and picture.

96. McDowell, Mrs. Gordon, Evanston, Ill. Painted china cup, saucer and plates.

97. McGarry, Miss Cora L., Omaha, Neb. Painted china vase.

98. McKay, Mrs. D. S., Guthrie, Oklahoma. Painted china plates.

99. Miles, Miss Marion, Chicago. Painted china rose bowl.

100. Miller, Mrs. C. J., Peoria, Ill. Painted china platter and chocolate pitcher.

101. Monohan, Mrs., Chicago. Painted china vase.

102. Morey, Mrs. Anna Riorden, Hastings, Neb. Painted china bonboniere.

103. Moulton, Miss May, Neenah, Wis. Painted china vase.

104. Munson, Mrs. T. M., Dennison, Painted china vase and plate.

105. Murray, Mrs. Chas. H., Chicago. Painted china jardiniere.

Collective Exhibit of Columbian Ceramic Association.

Exhibit No. — Class'n No.

106. Myers, Mrs. M. S., Chicago. Painted china vase.
107. Neely, Miss Anna L., Chicago. Painted china vase and spoon holder.
108. Neely, Miss Lillian F., Chicago. Painted china bonbon and ink stand.
109. Nevins, Miss Louise R., Brooklyn, N. Y. Painted china plates and jewel box.
110. Norwood, Mrs. F., Chicago. Painted china vase.
111. Packard, Mrs. Henrietta W., Chicago. Painted china portrait.
112. Paine, Mrs. H. E., Dixon, Ill. Painted china vase.
113. Palmer, Mrs. E. J., Spokane, Wash. Painted china vase and tray.
114. Peck, Miss Grace H., Chicago. Painted china vase and tray.
115. Phelps, Miss Kate, Polo, Ill. Painted china lamp.
116. Phillips, Mrs. Luella Vance, Denver, Col. Painted china panel, vase and plaque.
117. Phillips, Miss Mary A., Helena, Mont. Painted china punch bowl and portrait.
118. Poole, Mrs., Polo, Ill. Painted china jardiniere.
119. Quimby, Miss Jessie, Denver, Col. Painted china plates and vase.
120. Reynolds, Mrs. P. B., Toledo, Ohio. Painted china vase.
121. Richart, Mrs. Christine F., Buffalo, N. Y. Painted china.
122. Robertson, Mrs. Chas. M., Davenport, Iowa. Painted china vase.
123. Rodds, Miss Mary A., New Orleans. Painted china panel.
124. Root, Mrs. Enoch, Palm Beach, Fla. Painted china tray.
125. Root, Mrs. E. May Curtis, Council Grove, Kas. Painted china.
126. Schryoer, Miss Pauline, Polo, Ill. Painted china vase.
127. Seidenberg, Miss Anna, Cincinnati. Painted china vase and plaque.
128. Sheean, Mrs. David, Galena, Ill. Painted china cracker jar, etc.
129. Shute, Miss Bertha W., Chicago. Painted china vase.
130. Smith, Miss Mattie, Battle Creek, Mich. Painted china fish set.
131. Stanchfield, Miss Marion, Creston, Iowa. Painted china jardiniere.
132. Staples, Miss Johnnie, Sherman, Texas. Painted coffees, plate and tray.
133. Steele, Mrs. F. M., Chicago. Painted china pitcher.
134. Stone, Mrs. M. E., Peoria, Ill. Painted china plate.

Exhibit No. — Clas N

135. Strong, Miss Lydia Lyod, Flatbu N. Y. Painted china brush and comb tr
136. Swindell, Mrs. E., Rockford, Painted china vase.
137. Swinerton, Miss Carrie P., Chica Painted china panel and vase.
138. Thompson, Miss Gerlina, St. Lou Painted china soup tureen.
139. Tinney, Mrs. P. B., St. Paul, Mi Painted china plaques.
140. Van Auken, Miss Adelie, Rochest N. Y. Painted china tray.
141. Weston, Mrs. E. E., Chica Painted china jardiniere.
142. Wheeler, Miss Bianca, Davenport, Painted china plate, tray and tete-a-t set.
143. Whitcomb, Miss Maud, Davenport, Painted china chocolate pot.
144. White, Miss Katheryn, Springfie Vt. Painted china ice cream set.
145. Wilkinson, Miss R. A. E., Detro Mich. Painted china chocolate set.
146. Williams, Miss R. M., Chica Painted china plaque.
147. Williams, Mrs. W. B., Lapeer, Mi Painted china boat.
148. Woodrow, Miss Ella M., Pontiac, Painted china plate and vase.
149. Woodrow, Miss Ida W., Pontiac, Painted china plates.
150. Wright, Mrs. E. H., Waterloo, Painted china plates, salad bowl a jardiniere.
151. Wright, Mrs. Henry, Minneapol Minn. Painted china vase.
152. Wright, Miss Josie M., Chica Painted china panel and slab.

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153. Conley, Miss Carrie E., Denver, C Decorated china.
154. Cooley, Miss A. J., Aspen, Col. D orated china.
155. Covey, Mrs., Pueblo, Col. Decora china.
156. Dwight, Minnie T., New York. D orated china.
157. Failing, Ida C., Denver, Col. D orated china.
158. Healy, M. & E., Washington, D. Decorated china and chryso-ceramics.
159. Johnson, Mrs. Egbert, Denver, C Decorated china.
160. Kassler, Mrs. Chas., Denver, C Decorated china.
161. Lavaron Leonide C., Chicago. D orated china; punch bowl.
162. McGregor, Mrs., Denver, Col. D orated china.

hibit No. Class'n No.

3. Miles, Mrs. Leonide B., Denver, Col. Decorated china. 576
4. Miles, Mrs. W. E., Denver, Col. Decorated china. 576
5. Miller, Miss Ada, Denver, Col. Decorated china. 576
6. Morse, Mrs. Clara R., Newtonville, Mass. Decorated china. 576
7. Morse, Gertrude E., Newtonville, Mass. Decorated china. 576
8. Olmstead, Mrs. Clarence, Denver, Col. Decorated china. 576
9. Perkins, Mrs. Emily D., Denver, Col. Decorated china. 576
o. Perkins, Mrs. E. S., Denver, Col. Decorated china. 576
1. Pinkney, Miss J. R., Denver, Col. Decorated china. 576
2. Porter, Mrs. I. B., Denver, Col. Decorated china. 576
3. Quimby, Miss Jessie D., Denver, Col. Decorated china. 576
4. Root, Mrs., Denver, Col. Decorated china. 576
5. Scott, Cora E., Saratoga Springs, N. Y. Decorated china. 576
6. Wilke, Mrs. F. A., Richmond, Ind. Decorated china. 576

GROUP 95.

8. Tillinghast, Miss, New York. Stained glass window. 596

GROUP 100.

o. Arrowsmith, Charlotte, Mercer, Pa. Silk weaving. 629

GROUP 103.

1. Griswold, Mrs. Dr., Mercer, Pa. Woven rug. 649

GROUP 104.

2. Dole, Sarah A., Parkman, Ohio. Woven cape of plant fibre. 653
3. Flint, Olivia C., Boston. Corsets and waists. 653
4. Houghland, Mrs. E. G., N. Denver, Col. Night robe. 653
5. James, Mrs. Lucy J., Pomona, Cal. Corsets. 653
6. Mills, Mrs. S. J., Rochester, N. Y. Dress waist. 653
7. Newman, Mme., Corset Co., Chicago. Corsets. 659
8. Tracy, Mrs. Harriet Ruth, New York. Sewing machine inventions. 659

otary shuttle lock and chain stitch sewg machines. The lower bobbin holds over

Exhibit No. Class'n No.

1000 yards of thread and the shuttle takes up its own slack.

GROUP 106.

190. Ball, Mrs. J. J. T., Denver, Col. Needlework. 665
191. Bassett, Mrs. F. E., Brooklyn, N. Y. Tapestry for wall decoration. 670
192. Besuzzi, Miss, Denver, Col. Embroidered screen. 669
193. Brown, Mrs. J. K., Pueblo, Col. Drawnwork handkerchief. 665
194. Brown, Mrs. W. T., Indianapolis, Ind. Embroidered piano cover. 669
195. Cass, Mrs. O. D., Denver, Col. Lunch cloth. 665
196. Clarke, Nellie Goodrich, Economy, Ind. Embroidered centerpiece. 669
197. Colcord, Mrs. A. B., Kokomo, Col. Handmade lace cap. 664
198. Cole, Stella M., Indianapolis, Ind. Embroidered curtain. 669
199. Conine, Miss, Denver, Col. Infant's dress. 669
200. Cutter, Mrs. Edna M., Denver, Col. Lace handkerchief. 664
201. Darrow, Mrs. F. R., Denver, Col. Handkerchief. 665
202. De Andrada, Senora Anna K., San Diego, Chile. Artistic needlework. 669
203. Deitz, Mrs. Anna L., Denver, Col. Lace. 664
204. Ellis, Mrs. Henry H., Pueblo, Col. Needlework. 665
205. Ellis, Mrs. Jesse D., Rensselaer, Ind. Embroidered table cloth. 669
206. Farwell, Miss C. C., Denver, Col. Needlework. 665
207. Fjelde Sisters, Minneapolis, Minn. Embroidered banners. 669
208. Flynn, Miss Mary, Denver, Col. Needlework. 665
211. Gibbs, Mrs. A. R., Denver, Col. Handkerchiefs. 665
212. Harlow, Mrs. Geo. P., Denver, Col. Embroidery. 665
213. Hartwell, Miss Mary, Denver, Col. Lace cap and handkerchief. 664
214. Hawes, Mrs. Jesse, Greeley, Col. Needlework. 665
214a. Holmes, Mrs. Emma, Minneapolis, Kas. Art embroidery. 669
215. Jantzen, Miss Clara, Denver, Col. Embroidered centerpiece. 665
216. Jantzen, Miss Hermanna, Denver, Col. Handmade lace handkerchief. 664
218. Kent, Miss Clara M., Denver, Col. Embroidered doilies. 665

Trimmings, Traveling Equipments, Toys, Cooking Appliances, Refrigerators.

Exhibit No. — Class'n No.

219. Levering, Amelia F., La Fayette, Ind. Embroidered table cloth. 669
220. Lowe, Miss Elizabeth, Denver, Col. Embroidered doily. 665
221. Lusk, Miss Ida, Vincennes, Ind. Embroidered towel. 665
222. Major, Miss Fannie, Shelbyville, Ind. Table cloth. 669
223. McCardless, Mary E., Pittsburg, Pa. Sample lace from Reform School. 664
224. McCoy, Mrs. Hattie T., Rensselaer, Ind. Embroidered cushion. 669
225. McNary, Mrs. J. T., Logansport, Ind. Embroidered piano cover. 669
226. Minnis, Sallie, Philadelphia. Embroidered dinner cloth. 665
227. Moore, Mrs. T. H., Denver, Col. Handmade lace. 664
228. Nicholson, Mrs., Colorado Springs, Col. Embroidered centerpiece. 665
229. Owens, Mrs. E. T., Pueblo, Col. Lace handkerchief. 664
230. Perrian, Mrs. S. J., Highlands, Col. Lace handkerchief. 664
231. Reeves, Mrs. J. Franklin, Richmond, Ind. Embroidered curtains. 669
232. Renk, Miss Bertha A., Milwaukee, Wis. Art embroidery. 669
233. Reynolds, Mrs., South Bend, Ind. Table scarf. 669
234. Ridgway, Mrs. M. M. G., Indianapolis, Ind. Embroidered cushion cover. 669
235. Rourke, Mrs. M. E., Denver, Col. Artistic satin portieres and scarfs. 669
236. Salada, Mrs., Denver, Col. Handmade lace. 664
237. Schilling, Miss Ida W., Aspen, Col. Embroidered doilies. 665
238. Scott, Cora E., Saratoga Springs, N. Y. Art embroideries. 669
239. Sea, Clara, Indianapolis, Ind. Embroidered table cloth. 669
240. Skewes, Mrs. Rose Meeker, Greeley, Col. Handmade lace bertha. 664
241. Smith, Mrs. Marie Campbell, Boulder, Col. Infant's dress. 665
242. Solsbury, Cora, Indianapolis, Ind. Embroidered table decorations. 669
243. Solsbury, Pearl, Indianapolis, Ind. Embroidered table decorations. 669
244. Sperry, Mrs. H. L., Indianapolis, Ind. Embroidered table mat. 665
244a. Sternbergh, Emma R., Lawrence, Kas. Needlework. 665
245. Stevens, Miss E. J., Washington, D. C. Tapestries. 670
246. Strode, Miss F., Denver, Col. Decorated scarf. 665

Exhibit No. — Class No

247. Studebaker, Mrs. Clem, South Ben Ind. Embroidered bedroom furnishing 66
248. Taylor, Miss Ida, Logansport, In Embroidered table mat. 66
249. Vanatta, Mrs. J. K., Colorado Cit Col. Lace handkerchief. 66
250. Wells, Mrs. S. W., Highlands, Co Lace handkerchiefs. 66
251. White, Mrs. Lillian, Eau Clair Wis. Art needlework. 66
252. Williamson, Mrs. J. A., Indianapoli Ind. Cushion. 66
253. Williamson, Mary A., Indianapoli Ind. Art embroideries. 66
254. Williamson, M. A., Indianapolis, In Embroidered table cloth. 66
255. Williamson, Mrs. Sallie A., India apolis, Ind. Embroidered table cloth. 66

GROUP 108.

256. Keen, Louise M., Chicago. Trunl 67
257. Lightfoot, Annitte M., Providenc R. I. Fancy leather frames. 68

GROUP 110.

258. Angered, Mrs. Constance J., Phil delphia. Jewel box. 69
259. Dexter, Mrs., Chicago. Fancy art cles made of rope. 69
260. Sabolewski, Mrs. A. J., Denver, Co Game and badge. 69

GROUP 115.

261. Everhard, Mary M., St. Josep Mich. Kneading board. 7
262. Green, Mrs. M. A., Mt. Clair, Co Cover holder. 7
263. Hambel, Mrs. A. J., Chicago. Cal beater. 7
264. Lawton, Mrs. Jas. M., New Yor Corn scraper. 7
265. Romney, Mrs. Caroline Wesco Chicago. Oven fixtures and foot warm 7
266. Schumacher, Mrs. W. M., Philade phia. Sweep box. 7

GROUP 116.

267. Romney, Mrs. Caroline Wesco Chicago. Refrigerator and cooling roo 7

Miscellaneous Articles of Manufacture Not Heretofore Classified.

GROUP 121.

Exhibit No. — Class'n No.

268. Brown, Mrs. Harriet A., Boston. Rule for dressmaking.
269. Buddington, Mr. & Mrs. F. E., Chicago. Machine for dress cutting.
270. Cornwell, Elmira, Chicago. Tailor dress cutting system.
271. Dostin, Mrs. G.W., Johnstown, N.Y. Dress cutting system.
272. Jackson, Mrs. H. A., Co., Chicago. Instruments for cutting patterns.
273. Jackson, H. Ayers, Co., Chicago. Tailor dress cutting system.
274. O'Neil, Mrs. E. J., Leadville, Col. Tidy holder.
275. Schafer, Mrs. M. S., Ravenswood, Ill. Dress cutting system.
276. Stearns, Mrs. B. A., Woburn, Mass. Dress cutting system.
278. Watres, Mrs. L. A., Parkman, Ohio. Invention.

Collective Exhibit of the Merchant Tailors of the United States.

This special division of the Department of Manufactures exhibits in a separate building, known as the Merchant Tailors' Building, situated on the Lagoon, N. W. of the Fish and Fisheries Building.

GROUP 104.

Exhibit No. — Class'n No.

1. Anderson, J. F., Boston. Full dress coat and waistcoat. 652
2. Appel, Dunseath & Co., Denver, Col. Coat, dress suit, sack coat, waistcoat, and trousers. 652
3. Atkinson, Geo. R., Rockford, Ill. Double breasted frock coat, waistcoat, trousers and overcoat. 652
4. Back, Joseph, Chicago. Coat, waistcoat and trousers (full dress). 652
5. Bastable & Mannigan, New York. Overcoat, breeches and leggins. 652
6. Bradley, John C., Pittsburg, Pa. Cutaway frock coat, waistcoat and trousers. 652
7. Brenk Bros., Milwaukee, Wis. Cutaway coat, waistcoat and trousers. 652
8. Brownell, B. H., St. Louis. Double breasted frock coat, waistcoat, overcoat and trousers. 652
9. Bruner, C. E., Chicago. Cutaway frock coat, waistcoat and trousers. 652
10. Chase, Thos. W., & Co., Providence, R. I. Prince Albert coat, waistcoat, overcoat and trousers. 652
11. Croft, Fred. W., Chicago. Frock coat, vest, trousers, surtout overcoat. 652
12. Degenberg, P. A., & Co., Philadelphia. Dress uniform of "Philadelphia City Troops," Ladies' driving coat. 652
13. Doll, Edwin N., New York. Morning coat, Tuxedo coat, vests and trousers. 652
14. Finking, R., San Francisco. Suit. 652
15. Fisher, Geo., & Sons, Cincinnati. Coat, waistcoat and trousers (full dress). 652
16. Franklin & Co., New York. Suit for youth. 652
17. Glasser & Rock, Chicago. Overcoat, dress coat, waistcoat and trousers. 652
18. Gleason & Co., Philadelphia. Double breasted frock coat, waistcoat and trousers. 652
19. Grus & Luken, Chicago. Coats. 652
20. Heinig, Frank, Chicago. Dress suit, promenade suit and overcoat cape. 652
21. Hippach & Benson, Chicago. Cutaway frock coat, waistcoat and trousers. 652
22. Hodgkins & Hodgkins, Boston. Gentleman's hunting suit. 652
23. Hoyt, F. A., & Co., Philadelphia. Child's suit with overcoat, etc. 652
24. Hyde, Chas. E., & Co., Chicago. Overcoat, full dress suit. 652
25. Kilmore, J. W., Chicago. Suit and overcoat. 652
26. Lammers, F. J., Kansas City, Mo. Double breasted sack coat, waistcoat and trousers. 652
27. Lawrie, James, & Co., Milwaukee, Wis. Cutaway coat, waistcoat and trousers. 652
28. Lofquist, Oscar, Des Moines, Iowa. Frock coat, vest and trousers. 652
29. Losse, J. W., St. Louis. Dress suit and business suit. 652
30. Lundahl & Co., Chicago. Overcoat, single breasted sack coat, Tuxedo. 652
31. Matthews, G. W., Chicago. Afternoon riding suit, dress suit, etc. 652

Collective Fxhibit of the Merchant Tailors of the United States.

Exhibit No. — Class'n No.

32. **Merchant Tailors' Exchange, Kansas** City, Mo. Dress coat, waistcoat and trousers. 652
33. **Merwin, B. R., New York.** Dress suit, house jacket, Tuxedo coat, etc. 652
34. **Messenger Bros. & Jones, Boston.** Double breasted box driving coat. 652
35. **Mitchell, L. A., Chicago.** Double breasted sack coat, vest and trousers. 652
36. **Müller, A. F., New York.** Riding habit waist and skirt. 652
37. **Nagel, Conrad F., New York.** Dress coat, waistcoat and trousers. 652
38. **Olsen, O. G., Chicago.** Coat, waistcoat and trousers. 652
39. **Patterson, John, & Co., New York.** Liveries, overcoat, trousers, etc. 652
40. **Purinton, H. G., Chicago.** Promenade overcoat, uniforms, etc. 652
41. **Saalmann, John B., New York.** Single breasted box overcoat. 652
42. **Schaub Bros., Chicago.** Double breasted box overcoat, dress suit, etc. 652
43. **Schaub Bros., St. Paul, Minn.** Dress coat, waistcoat, trousers. 652
44. **Sheridan, W. G., Chicago.** Coat, vest and trousers. 652
45. **Somers, Frank D., Boston.** Double breasted frock coat, waistcoat, trousers. 652
46. **Turner, Henry, Chicago.** Overcoat, dress suit, tourist's coat, trousers. 652

Exhibit No. — Class'n No.

47. **Twyeffort, E., New York.** Morning hunting coat, waistcoat and breeches. 652
48. **Vredenburg & Brooks, New York.** Double breasted frock coat and waistcoat, trousers. 652
49. **Walshe, R. J., Chicago.** Double breasted frock coat, overcoat. 652
50. **Weiss, Jules C. & Co., New York.** Driving overcoat, dress coat (style 1793) trousers. 652
51. **Werno, Henry, Chicago.** Dress coat, waistcoat, trousers. 652
52. **Wessman, J. P., New York.** Overcoat, dress coat, waistcoat and trousers. 652
53. **Winter, Julius, Jr., Louisville, Ky.** Cutaway frock coat, waistcoat, trousers. 652
54. **Wright, R. C. & Co., Denver, Col.** Overcoat, dress coat and waistcoat, business suit. 652
55. **Yates, John A. & Co., Detroit, Mich.** Cutaway suit. 652

GROUP 106.

56. **Washington Exchange, Washington.** Table cloth made of 5,830 pieces. 665

GROUP 121.

57. **Mitchell, John J., New York.** American fashion plates.

LEATHER AND SHOE TRADES EXHIBIT.

INSTALLED IN SPECIAL BUILDING.

In this special division of exhibits in the Department of Manufactures are included exhibits in Group 87, Class 547; Group 88, Class 552 (colors, blacking, etc.); Group 102, Class 639 (linen thread, etc.); Group 103, Class 688 (felt footwear, linings, etc.); Group 104, Class 656 (boots and shoes); Group 109, Class 683 (rubber boots, shoes, etc.); and all of Group 111 (leather and manufactures of leather), except leather belting; and exhibits in Group 121; also Classes 445 and 446, in Group 72, department of machinery (machines for preparing and working leather and for making boots and shoes).

GROUP 87.

Exhibit No. — Class'n No.

1a. **Hoyt, Arthur S., New Pork.** Cold. water glue. F-18 547

GROUP 88.

1b. **American Leather Waterproofing Co.,** Bloomfield, N. J. Waterproofing for men's shoes. E-18 552

1c. **Boston Blacking Co., Boston.** Blacking, dressing, patching cement., etc. E-20 552

1e. **Cameron, Donald, Brooklyn, N. Y.** Shoe dressings. F-13 552

1. **Eclipse Cement & Blacking Co.,** Philadelphia. Cements, shoe dressings, harness inks and dressings. F-32 552

2. **Miller, The Frank, Co., New York.** Leather dressings and blackings. Manufacturers of inks, dressings and stains, blackings, crown dressing for ladies' and children's boots and shoes, both for import and export use. The oldest and largest manufacturers of this class of goods in the world. F-11 552

2a. **Mitchell Stain M'f'g Co., Lynn, Mass.** Bottom finishing stains for boots and shoes. D-1 552

3. **Sankey, John, Mifflinburg, Pa.** Shoe and harness dressing. F-29 552

3b. **White, S. A., Boston.** Blackings, dressings and stains. F-26 552

4. **Whittemore Bros. & Co., Boston.** Harness dressings; boot and shoe blacking. F-27 552

5. **Wood, George H., Company, Boston.** Cements, inks, wax and dressings. F-28 552

Exhibit No. — Class'n No.

GROUP 101.

7a. **Hammond, Knowlton & Co., Chicago.** Spool silk and machine twist. D-13 626

GROUP 102.

6. **Barbour Bros. Company, Paterson,** N. J. Sewing threads, threads for boots, shoes and saddlers' use. D-14 639

7. **Finlayson, Bonsfield & Co., Grafton,** Mass. Thread for shoes and leather. D-12 639

GROUP 103.

8. **Dolge, Alfred, Dolgeville, N. Y.** Felt goods; boots, shoes and slippers made of same. F-20 648

9. **Grand Rapid Felt Boot Company,** Grand Rapids, Mich. Felt and knit boots. E-4 648

GROUP 104.

10. **Aborn, C. H., Lynn, Mass.** Ladies' boots and shoes. F-17 656

11. **American Porpoise Lace Company,** Newark, N. J. Shoe laces. E-5 656

12. **Amesbury Shoe Company, Amesbury,** Mass. Shoes and slippers. E-8 656

13. **Ash, Wm. T., Lynn, Mass.** Shoes and slippers. F-17 656

14. **Banister, James A., Company, Newark,** N. J. Boots, shoes and slippers. D-9 656 Men's and boys' fine boots, shoes and slippers, specially for the retail trade. Received highest medal at Vienna, 1873, Philadelphia, 1876, and New Orleans, 1884.

Leather and Shoe Trades Exhibit.

Exhibit No. — Class'n No.

15. **Bartlett, John, & Co., Lynn, Mass.** Boots and shoes. F-17 656
16. **Batcheller, E. & A. H., Co., Boston.** Boots and shoes. D-6 656
17. **Blake, Harold F., Haverhill, Mass.** Shoe tips. E-17 656
18. **Bridgeport & Hub Gore Makers, Boston.** Shoe goring. F-19 656
19. **Bridgeport Elastic Web Company,** Bridgeport, Conn. Elastic goring and webbing. F-19 656

Manufacturers of Bridgeport goring. Fully warranted for two years. Shoes regored free and expressage paid in case of failure. Largest and best equipped plant for weaving shoe elastic in the world. Best grades only. References: Fine shoe manufacturers all over the United States.

20. **Burt, Edwin C., & Co., New York.** Boots, shoes and slippers. E-1 656
21. **Charlie & Curtiss, New York. Shoes,** gaiters and boots. E-3 656

21a. **Coburn, Geo. M., & Co., Boston.** Shoes and slippers. F-9 656

22. **Consolidated Adjustable Shoe Company,** Lynn, Mass. Ladies' boots and shoes. F-17 656
23. **Copeland & Ryder Co., Jefferson, Wis.** Shoes. E-1 656
24. **Davis, George C., Lynn, Mass. Ladies'** boots and shoes. F-17 656
25. **Dean, Chase & Co., Boston. Shoe** goring. F-19 656

25a. **D'Ippolito, G. B., Vineland, N. J.** Ladies' fine shoes. F-0 656

26. **Fargo, C. H., & Co., Chicago. Boots** and shoes. D-8 656
27. **Faunce & Spinney, Lynn, Mass. Boots** and shoes. F-17 656

Make more pairs of shoes than any other manufacturer in the United States, making women's fine shoes exclusively. Production throughout the year averages two pairs every minute. Prices, $2.00 and upward; nothing cheaper. Send for catalogue.

28. **Florsheim & Co., Chicago. Boots and** shoes. D-4 656
29. **Ford, C. P., & Co., Rochester, N. Y.** Ladies', misses and children's fine shoes. F-8 656
30. **Fox, Charles K., Haverhill, Mass.** Shoes and slippers. E-17 656

30a. **Freeman, J. Shoe M'f'g Co., Bloomfield, N. J.** Men's waterproof shoes. E-18 656

31. **Fuller, George, & Co., Lynn, Mass.** Welts, turns, boots and shoes. F-17 656
32. **Gardner, John C., Brooklyn, N. Y.** Misses', children's and infants' shoes and slippers. F-2 656
33. **Goodrich, Hazen B., Haverhill, Mass.** Boots, shoes and slippers. E-17 656
34. **Greenman, Chas. E., Haverhill, Mass.** Soles and leather. E-17 656
35. **Grover's Sons, J. J., Lynn, Mass.** Boots and shoes. F-17 656
36. **Hall, S. W., Chicago. Overgaiters** and leggins. F-25 656

36a. **Hamilton-Brown Shoe Co., St. Louis.** Ladies' and men's fine shoes and workmen's shoes. D-7 656

37. **Hanan & Son, New York. Boots,** shoes and slippers. D-10 656
38. **Harney Bros., Lynn, Mass. Boots** and shoes. F-17 656
40. **Henderson, C. M., & Co., Chicago.** Boots and shoes. F-16 656
42. **Herrick, G. W., & Co., Lynn, Mass.** Boots and shoes. F-17 656
44. **Hoag & Heath, Lynn, Mass. Boots** and shoes. F-17 656
45. **Hub Gore Makers (Incorporated), Boston.** Shoe goring. F-5 656

Sales largest in the world. Twice that of any other concern in America. Originators in 1888 of shoe elastic with incontestable insurance.

46. **Hutchinson, F. E., Haverhill, Mass.** Ladies' shoes and slippers. E-17 656
47. **Laird, Schober & Mitchell, Philadelphia.** Boots and slippers. D-11 656
48. **Lattemann, J. J., Shoe Manufacturing** Company, New York. Boots, ties and slippers. F-12 656
49. **Leonard-Atkinson Company, Chicago.** Boots and shoes. F-15 656

49a. **Ludlow, Geo. W. & Co., Chicago.** Ladies', misses', children's fine shoes and slippers. F-5 656

50. **McNulty, P. F., San Francisco, Cal.** Boots, shoes and gaiters. F-1 656
51. **Morse Bros. & Co., Haverhill, Mass.** Shoes and slippers. E-17 656
52. **Mousek, V. J., Chicago. Hand-made** theatrical shoes. E-2 656
54. **Murphy Bros., Lynn, Mass. Boots** and shoes. F-17 656
55. **New York Shoe Manufacturing Company,** Lynn, Mass. Boots and shoes. F-17 656
56. **Oblinger, Benjamin F., Philadelphia.** Boots, shoes and slippers. E-15 656
58. **Phelps, Dodge & Palmer Co., Chicago.** Boots and shoes. E-16 656
59. **Pingree & Smith, Detroit, Mich.** Shoes. E-12 656

Leather and Shoe Trades Exhibit.

Exhibit No. — Class'n No.

60. Plant, Thomas G., Lynn, Mass. Ladies' boots and shoes. F-17 656
61. Price & Wolff, Chicago. Slippers and low shoes. D-2 656
62. Renton, John B., Lynn, Mass. Heels and lifts. F-17 656
63. Rice & Hutchins, Boston. Boots and shoes. E-11 656
64. Rumsey Bros., Lynn, Mass. Boots and shoes. F-17 656
64a. Scarinci, Beniamino, Philadelphia. Ladies' slippers, men's and boys' boots and shoes. F-3 656
65. Schillaber & Co., Lynn, Mass. Women's boots and shoes. F-17 656
66. Selz, Schwab & Co., Chicago. Boots and shoes. E-13 656
67. Scroggy, J. E. Manufacturing Company, Frankfort, Ind. Overgaiters, boots and shoes. F-24 656
68. Smith, A. F., Lynn, Mass. Boots and shoes. F-17 656
69. Smith, R. P., & Sons, Co., Chicago. Men's and boys shoes. D-5 656
71. St. John Manufacturing Company, Jersey City, N. J. Infants' shoes and slippers. E-4 656
72. Sutherland, D. A., Lynn, Mass. Boots, shoes, ties and slippers. F-17 656
73. Swain, J. F., & Co., Lynn, Mass. Misses' and children's boots and shoes. F-17 656
74. Tilt, J. E. Shoe Company, Chicago. Boots and shoes. F-7 656
75. Turner, J. S., Rockland, Mass. Men's shoes. E-14 656
76. Webert, Chas. L., St. Louis, Mo. Boots and shoes. E-9 656
78. Wells, M. D., & Co., Chicago. Boots, shoes and slippers. D-16 656
79. Wiley, Wm. H., & Son, Hartford, Conn. Leggins, overgaiters, soles, etc. F-14 656
80. Williams, Clark & Co., Lynn, Mass. Boots and shoes. F-17 656
81. Wright & Richards, Rockland, Mass. Boots and shoes. F-4 656
82. Woodman & Howes, Haverhill, Mass. Shoes and slippers. E-17 656

GROUP 109.

83. American Rubber Company, Boston. Rubber boots and shoes. C-10 683
84. Boston Rubber Shoe Company, Boston. Rubber boots and shoes; curios from South America. B-10 683
85. Goodyear Metallic Rubber Shoe Company, Naugatuck, Conn. Rubber footwear. C-10 683

Exhibit No. — Class'n No.

86. Woonsocket Rubber Company, Providence, R. I. Rubber footwear. D-15 683

GROUP 111.

87. American Oak Leather Company, Cincinnati. Belting, soles, insoles, counters and leather. C-7 697
88. Avery Leather Goods Company, Denver, Col. Leather clothing and novelties. E-8 697
89. Barnet, J. S., & Bro., New York. Finished leather. C-13 697
89a. Bechtel, & Son, John A., Newport, Pa. sole leather. B-1 697
90. Burk Bros., Philadelphia. Glazed kid, calf and pebble goat; shoes from same. A-5 697
91. Callery, Jas., & Co., Pittsburg, Pa. Harness leather. A-16 697
92. Deford & Co., Baltimore. Oak slaughter, sole leather and butts. C-1 697
93. Delvin, Thomas, Arcata, Cal. Parts of harness and leather. A-6 697
94. Eisendrath, B. D., & Co., Racine, Wis. Shoe leather. C-14 697
95. Eisendrath, W. N., & Co., Chicago. Shoe and glove leather. C-9 697
96. England & Bryan, Philadelphia. Sole leather. C-4 679
97. Fayerweather & Ladew, New York. Belting and sole leather. C-1 697
97a. Flaccus, Wm. & Son, Pittsburg, Pa. Oak tan, harness and skirting leather. A-7 697
98. Foerderer, Robert H., Philadelphia. Glazed kid and shoes of same. B-7 699
98a. Frank, S. H., & Co., San Francisco.
a Sole, harness and belting leather. F-4 697
b Walrus leather. 700
99. Freiberg-Wolfstein Oak Tanning Company, Cincinnati. Harness leather. A-3 697
99a. Gondolo Tannen Co., Boston. Oakwood and chestnut tanning extracts. A-2 696
99b. Gordon, S. J., Boston. Fancy leather goods. E-19 705
100. Groetzinger, A., & Son, Allegheny City, Pa. Sole leather and belting. B-5 697
Manufacturers of harness leather of every description. Harness backs, trimmed harness, long harness, stained hand parts, fair hand parts, fair bridle and russet leather a specialty.
101. Groetzinger, J., & Co., Allegheny City, Pa. Harness leather. B-3 697

Leather and Shoe Trades Exhibit.

Exhibit No. — Class'n No.

102. **Groezinger's, G., Sons, Lancaster,** Pa. Harness leather. A-24 697
Tanners and curriers of "Fine Oak Harness Leather," and manufacturers of harness backs, trimmed harness, buff, stained and fair hand parts, fair bridle and russet leathers. Correspondence solicited.

102a. **Halsey, J. H. & Smith, Newark, N. J.**
a Hides and leather. A-20 696
b Patent and carriage leather. 699

103. **Halsey, Sam'l, & Son, Newark, N. J.** Patent, enameled and fancy leather. A-29 699

103a. **Harwood, Charles E. Co., Lynn,** Mass. Counters, insoles, taps, turn shanks, rands and heel stock. F-17 697

104. **Hauselt, Charles, New York.**
a Calfskins. A-30 697
b Glazed kid. 699

104a. **Hillard, R. E., Lynn, Mass.** Soles and leather. F-17 697

105. **Hollinger, Amos, Lancaster, Pa.** Harness leather. A-22 697

105a. **Hoople, Wm. Howard, New York.** Goodyear welting. F-22 697

108. **Howard, J. W. & A. P., & Co.,** Corry, Pa. Sole leather. C-8 697
Tanners of the well known "Howard Slaughter" specialties. Stock for sole cutters' and manufacturers' uses.

109. **Howell, T. P., & Co., Newark, N. J.** Patent and enameled leather. A-14 699

110. **Kaufherr & Co., Newark, N. J.**
a Alligator leather. A-13 700
b Lizard and snake skin and fancy leather. 702

110a. **Kent & Smith, Lynn, Mass.** Various kinds and colors of shoe stains. F-17 697

111. **Kistler, Lesh & Co., Boston.** Sole leather. C-3 697

112. **Lambeau Leather Company, Chicago.**
a Leather. B-9 697
b Kangaroo calf, etc. 700

113. **Leas & McVitty, Philadelphia.** Belting butts and soles. B-4 697

114. **Levor, Gustav, Gloversville, N. Y.** Patent shoe kid and kangaroo leather. A-10 699
Manufacturer of every variety of dull dongola or American mat kid.

117. **Moffat, David, & Co., New York.** Harness leathers. B-6 697
Boston Agency, Nos. 161–165 Sumner St.

118. **Mooney, W. W., & Sons, Columbus,** Ind. Harness and saddlery leather. B-11 697
Tanners and curriers of Superior Pure Oak Tanned Harness and Saddlery Leather. The Mooney leather is guaranteed to be absolutely pure oak-tanned and all hand-stuffed. It is recognized as the most economical cutting and satisfactorily working and wearing leather on the market.

119. **Pfister & Vogel Leather Company** Milwaukee, Wis. Leather. C-8 69

120. **Reilly, Patrick, & Son, Newark, N.J.** Patent and enameled leather. A-28 69

120a. **Rippman, C. A., Millerstown, Pa** Oak sole and rough skirting leather. B-2 69

121. **Sharp, Clarke & Co., Chicago** Leather for boots and shoes. B-8 69

122. **Shaw Leather Company, Boston** Grain split and calf leather and shoes of same. A-26 69

123. **Smith, Hugh, Newark, N. J.**
a Patent and enameled leather. A-27 69
b Upholstery leather. 70

124. **Smith's, Lyman, Sons Company** Norwood, Mass.
a Sheep and lambskins. A-19 69
b Sheepskin bindings and linings. 70

124a. **Smoot, C. C. & Sons, Alexandria, Va** Scoured oak, slaughter, sole and belting leather. A-12 69

125. **Swift and Company, Chicago.** Hide and skins. A-17 69
Attention especially called to variety of our classifications and superiority of tak off.

126. **Trostel, Albert, & Sons, Milwaukee** Wis.
a Tanned leathers. A-25 69
b Kangaroo calf. 70
c Russia leather. 70

127. **Walker-Oakley Company, Chicago** Calfskin leather. C-11 69

128. **Weed, James B., & Co., Binghamton** N. Y. Finished leather. C-12 69

129a. **Western Tannery & Glove Works** Chicago. Calf, kid, horse-hide and buck skin for gloves and shoes. A-8 69

130. **Wilder & Co., Chicago.**
a Horse hide. A-31 69
b Sole leathers. 69

131. **Woodside Patent Calf Manufacturin** Company, Newark, N. J. Patent and enameled leather. A-15 69

132. **Zahn, William, Leather Company** Newark, N. J. Glazed and dongola kid leather. A-9 69

133. **Zohrlant, Herman, Leather Company** Milwaukee, Wis. B-12
a Boot and plow shoe grains. 69
b Kangaroo calf leather. 70
c Oil leather. 70

Leather and Shoe Trades Exhibit.

GROUP 121.

Exhibit No. — Class'n No.

33a. Walter, C., Chicago. Polished animal horns, etc. D-3

Exhibits Classed in Other Departments but Installed in this Building.

DEPARTMENT G.

GROUP 83.

Vehicles and Methods of Transportation on Common Roads.

34. Kimball, C. P. & Co., Chicago. Coach, brougham, buggy and cart harnesses. A-11 523

35. Whitman Saddle Co., New York. Equestrian goods. A-1 523

GROUP 84.

Aerial, Pneumatic and other forms of Transportation.

36. Bicycle Step-Ladder Co., Chicago. Rolling ladders for store and factory. F-30 525

37. Gordon Traveling Ladder Co., Lexington, Ky. Traveling step ladders for shoe stores, libraries, etc. F-31 525

38. Morley Bros., E. Saginaw, Mich. Railroad step-ladders for store and factory. F-23 525

DEPARTMENT F.

GROUP 72.

Machinery for the Manufacture of Textile Fabrics and Clothing.

41. Ætna Boot & Shoe Hardware Co., Unionville, Conn. Boot and shoe heel nailing machine. G-6 446

42. American Heeling Machine Co., Brockton, Mass. Lightning heeling machine. G-8 446

43. Auburn Crimping Machine Co., Auburn, Me. Crimping machines, etc. G-9 446

44. Barrows, A., Brockton, Mass. Last and shoe rack. A-1 446

45. Bertrand Lock-stitch Sewing Machine Co., Boston. Sole sewing machines, etc. D-2 446

46. Vaughn Machine Co., Boston. Hide and leather-working machinery. 445

Agent for Europe, E. L. C. Schulz, 75 High St., Boston, Mass. U. S. A.

Exhibit No. — Class'n No.

147. Booth Bros., Rochester, N. Y. Turning and cording machines. J-3 446

148. Boot & Shoe Sole Laying Co., Boston. Sole laying machines. G-5 446

149. Bresnahan, Maurice V., & Co., Lynn, Mass. Automatic boot and shoe sole levelers. B-1 446

150. Brett, Henry W., Boston. Shoe upper cementing machine. F-8 446

151. Busell Trimmer Co., Boston. Edge trimmer. D-4 446

152. Campbell Machine Co., Pawtucket, R. I. Shoe sewing machines. G-12 446

153. Chase Lasting Machine Co., Boston. Shoe lasting machinery. A-2 446

154. Consolidated Hand Method Lasting Machine Co., Boston. Shoe lasting machines. A-3 446

155. Corrugated Rivet Co., San Francisco. Riveting machinery. F-8 446

156. Elliott Button Fastener Co., Grand Rapids, Mich. Button attaching machine. F-7 446

158. Eppler Welt Machine Co., Boston. Shoe sewing machines. G-13 446

159. Felton, S. A. & Son Co., Manchester, N. H. Boot and shoe manufacturers' brushes. G-14 446

160. Fifield, C. S. & Co., Boston. Shoe machinery. G-5 446

161. Globe Buffer Co., Boston. Shoe machinery. E-2 446

162. Globe Button Hole Machine Co., Boston. Shoe button-hole machinery. J-2 446

Latest gold medal awarded at Mass. Charitable Mechanics' Association, 1892.

163. Goodyear Shoe Machinery Co., Boston. Shoe machinery. K & F-3 446

164. Harlow, Chas. F. & Co., Boston. Union wax thread sewing machines and shoe seam finisher. F-8 446

165. Hartford Bros., Boston. Sole rounding and pattern drafting machines. K-1 446

166. Hemmingway Bros., Lynn, Mass. Leather working machinery. G-15 446

166a. Higgins, J. A., & Co., Mulford, Mass. Boot and shoe racks. F-8 446

167. Holt, J. S. & Co., Boston. Boot and shoe machinery. C-3 446

168. Humphrey M'f'g Co., Towanda, Pa. Shoe lining marker. F-8 446

169. Hupper, E. A., Lynn, Mass. Shoe racks. F-8 446

170. Jamison, S. W., Boot & Shoe Crimping machine Co., Boston. Boot and shoe crimping machines. G-11 446

Leather and Shoe Trades Exhibit.

Exhibit No. — Class'n No.

172. **Lacing Stud Co., Boston.** Studs and stud setting machines. D-2 446

173. **Leeson & Co., J. R., Boston.** Thread winding machine. C-6 446

174. **Lightening Beader Co., Springville, N. Y.** Upper beading machines. F-8 446

175. **Littleton, S. M., Brockton, Mass.** Heel seat beading machine. F-8 446

176. **Lufkin, R. H., Boston.** Vamp folding machines. F-8 446

177. **McKay Metallic Fastening Ass'n, Boston.** Screw machine, nailer and slugger, strip tacker, etc. E-4 446

178. **McKay & Bigelow Heeling Machine Ass'n, Boston.** Heel compressing and attaching machines. E-4 446

179. **Merrick Sewing Machine Co., Boston.** Shoe machinery. F-8 446

180. **Miller, O. A., Brockton, Mass.** Boot and shoe trees and treeing machines. C-7 446

181. **Morley Button Sewing Machine Co., Boston.** Shoe button sewing machine. J-1 446

182. **Naumkeag Buffing Machine Ass'n., Beverly, Mass.** Machine and covers. E-3 446

183. **Norris, T. A., Machinery Co., Brockton, Mass.** Heel breast finishing machine. B-2 446

184. **Osborne, H. F., Newark, N. J.** Tools and machinery for saddle and harness-making. A-23 445

185. **Philadelphia Barring Machine Co., Philadelphia.** Barring and tacking machines. J-4 446

186. **Reece Button-Hole Machine Co., Boston.** Shoe button-hole sewing machines. K-4 446

187. **Rockingham Machine Co., Exeter, N. H.** Boot and shoe machinery. G-3 446

188. **Ross-Moyer M'f'g Co., Cincinnati.** Shoe machinery. F-2 446

189. **Sawyer Leather Machinery Co., Boston.** Leather measuring machine. G-2 445

Agent for Europe, E. L. C. Schulz, 75 High St., Boston, Mass. U. S. A.

190. **Saunders, S. L., Lynn, Mass.** Shoe racks. F-8 446

Exhibit No. — Class No.

191. **Singer M'f'g Co., New York.** Sewing machines for leather work. D-2 44

192. **Standard Rivet Co., Boston.** Rivet and studs and machines for driving sam G-10 4

193. **Stanley M'f'g Co., Boston.** Bo and shoe machinery. E 6 4

194. **Steam Heated Horn Co., Bosto** Steam heated horns for sole sewing m chines. F-4 4

195. **Stoddard Crimping Machine Co** Boston. Shoe crimping machinery. G-10 4

196. **Swain-Fuller M'f'g Co., Boston.** Boot and shoe machinery. G-4 4

196a. **Thompson, Judson L., M'f'g C** Waltham, Mass. Rivets and rivet m chinery. F-1 4

197. **Tripp Giant Leveler Co.,Lynn,Mas** Leveling machines. F-8 4

198. **Tubular Rivet Co., Boston.** Rive and rivet setting machines. D-6 4

199. **Union Heel Trimmer Co., Bosto** Boot and shoe heel trimming machines. D-5 4

199a. **Union Leather Measuring Machi** Co., Danversport, Mass. Leather mea uring machine. 4

This machine has no equal for accurac rapidity, ease and simplicity of action, an for low cost, both of running and of origin purchase. Will meet all competitors in trial for accurate measurement. Highe testimonials with price list.

200. **Union Special Sewing Machine Co** Chicago. Leather sewing machines. J-6 4

201. **Vaughn Machine Co., Boston, Mas** Hide and leather working machinery. E-5 44

Agent for Europe, E. L. C. Schulz, 75 Hig St., Boston, Mass., U. S. A.

202. **Wire Grip Fastening Co., Bosto** Slugging and nailing machine. F-5 4

203. **Worcester, A. & Sons, Bosto** Boot and shoe manufacturers' brushes. F-8 44

FRANCE.

LOCATION—SEC. D—3.

Leather and Shoe Trades Exhibit.

GROUP 111.

ibit o. — Class'n No.

Basset, Son Brothers & Co., Paris. Kid skins for shoes. 697

Calixte Barande's Son, Paris. Enameled, gilded kid skins.

Collective Exhibit of Leather Manuacturers of Graulhet (Lining skins).

Andrel, Senior.
Armengaud, Ernest.
Armengaud, Leon.
Armengaud, Charles.
Auque, Justin & Co.
Azemar & Peyre.
Bardou Bros.
Barthes, John.
Berthoumieux, Charles.
Bonsirven & Co.
Boulade, Sr.
Boulade, Jr.
Bosc, August.
Carvel, Son (Lewis).
Cantayre Bros.
Caphalan, Charles.
Cathalau.
Cazelles & Batigne.
Davy, O.
Douziech, Oscar.
Fabre-Laurens Son.
Fonvieille & Combes.
Fonvieille, Paul.
Gau, James.
Gaulene & Co.
Gieusse.
Hiverseng, Father & Son.
Huc, Elias.
Julien, Jr.
Laurens-Madirac, Mrs.
Lavit & Co.
Leavit & Grezes.
Malet, Cadet.
Malet, Stephen.
Manavit, Joseph.
Maurel & Estagieu.
Maurel, Henri.
Mauries, Armand.
Mauries-Got & Sabatie.
Perry, Senior.
Perry, Antoine.
Perry, Felix.
Pons, Father & Son.
Roques & Caxelles.
Roques, Emil.
Rouffiac, Mrs.
Sudres-Marliaves.
Vayssieres-Sablayroles.
Vignier, Marc.
Villeneuve.

Exhibit No. — Class'n No.

4. **Combe & Oriol, Paris.** Kid skins. 697
5. **Courvoysier, Bourgoyn & Co., Paris.** Skins for gloves. 697
6. **Courtois & Co., Paris.** Curried leathers. 698
7. **Deon, Ulysse, Sens.** Rabbit skins dyed for furs. 696
8. **Deschampes, Julius, Boisbelle.** Ox and cow hides. 696
9. **Dollat Brothers, Paris.** Wholesale hides, etc. 696
10. **Floquet, Fernand, St. Denis (Seine).** Morocco leather for tapestry. 705
11. **Floquet, Gaston, St. Denis (Seine).** Dressed sheep skins. 697
12. **Guilleux, Louis, Paris.** Dyed leathers. 697
13. **Guillou & Son, Paris.** Calf, kid and sheep skins and curried goat skins. 698
14. **Lafrique & Pinton, Paris.** Skins and hair for hat manufacturing. 702
15. **Leven Bros. & Son, Paris.** Patent and enameled calf skins. 699
16. **Masurel & Caen, N. Croix.** Wools and leathers. 697
17. **Meyzonnier Son, Annonay.** Tanned and curried calf skins. 698
18. **Pedailles, A., Paris.** Calf skin. 697
19. **Petitpont & Co., Paris.** Morocco, calf and sheep skins. 699
20. **Pinede, Gustave, Bayonne.** Lamb and sheep skins. 697
21. **Poullain-Beurrier, Paris.** Leather belting. 704
22. **Richard, Paris.** Professional (Trade) papers.
23. **Salasc, Benj., Bedarieux.** Sheep skins, rough, and washed wools. 697
24. **Senat Co., Aubervilliers.** Patent and enameled leathers. 699
25. **Sueur Son, Paris.** Patent and enameled leathers. 699
26. **Trefousse & Co., Chaumont.** Kid skins, dyed. 697
27. **Ullmo, Simon, Lyons.** Smoothed leathers; white calf skins. 697
28. **Vincent, Charles, Son.** Trade papers.
29. **Vuitton, Louis, Paris.** Trunks and bags. 697

GERMANY.

LOCATION—SEC. B—3.

Leather and Shoe Trades Exhibit.

GROUP 88.

Exhibit No. — Class'n No.

1. **Flesh, Carl, Jr., Frankfurt.** Tanning extracts and chemicals used for finishing leather. 552

GROUP 104.

2. **Asch, Albert, Berlin.** Leggins of horse leather, etc. 656
3. **Bender, Paul, i. F. A. Bender, Halle-on-the-Saale.** Reform shoes. 656
4. **Eckhardt, Louis, Homburg v. d. Hoche.** Boots, shoes, etc. 656
5. **Leder & Haarschaefte, Offenberg, Baden.** Boot and shoe uppers. 656
6. **Lotz, Chr. Soehne, Kaiserslautern.** Shoes with wooden soles. 656
7. **Seifert & Kloeber, Maila-Bavaria.** Boots. 656
8. **Wickle, H., Halle.** Boots and shoes. 656

GROUP 109.

9. **Schwanitz, Carl, Berlin.** Fire hose, belting, etc. 689

GROUP 111.

10. **Berger, Heinrich, Ostritz-Saxony.** Lacquered cow and horse hides. 699
11. **Bruederlein, Emil, Poessneck.** Lacquered cow, sheep and calf leather. 699
12. **Bruening, H. W., F. Spanger-Holstein.** Horse leather. 700
13. **Caprano, Heinrich, Charlottenberg.**
    a Sheep skins. 697
    b Curried goat skins. 698

Exhibit No. — Cl

14. **Elstatter, R., Muhlburg, Bader** Glazed kid skins.
15. **Fischer, F., & Co., Offenburg-Ba** Hair calf skins.
16. **Heil, J., Wandsbek, near Hambur**
    a Leather for saddles.
    b Leather for purses.
17. **Niedersheinische Aktiengesellsc** fuer Lederfabrikation, vorm Z. S Vickrath-Rhine-Province. Dyed and leather.
18. **Perlinger, August, Fuerth-Bava** Leather.
19. **Schmidt, F. L., Eckernfoerde.** ried horse leather.
20. **Simon, Wilh. Kirn-on-the-Nahe** Leather.
21. **Voelker, Julius, Eisenberg-Sax** Alkenburg. Horse leather.
22. **Waeldin, Huber, Lahr-Baden.** Colored and black morocco.
23. **Weithase, R., & Co., Poessn** Lacquered sheep skins.
24. **Wildbrett, Carl, Augsburg. Pa** ment.
25. **Wuelkwitz, Louis, Kirchheim, Nie** Lausitz. Sheep skin.
26. **Zix, Louis, & Soehne, Nachf von** & Aug. Korn, Saarbruecken.
    a Tanned leather.
    b Leather belting.

JAPAN.

LOCATION—SEC. D—3.

Leather and Shoe Trades Exhibit.

GROUP 105.

ibit Class'n
o, No.

The Imperial Fishery Company, Hokkaido. Furs. 660

GROUP 111.

Chojiro Nitta, Osaka. Curried leather. 698

Daijiro Kumagai, Tokyo. Embossed eather. 705

Iemon Sato, Tokyo. Leather work. 705

Exhibit No. Class'n No.

5. Jihei Suga, Hyogo. Leather. 697
6. Kocchiro Yura, Osaka. Curried leather. 698
7. Kokichi Tanaka, Tokyo. Leather work. 705
8. Nagasaki Leather Manufacturing Company, Nagasaki. Leather. 697
9. Seijiro Ino, Osaka. Curried leather. 698
10. Shinjiro Matsukane, Tokyo. Leather work. 705

MEXICO.

LOCATION—SECS. C and D—3.

Leather and Shoe Trades Exhibit.

GROUP 104.

hibit Class'n
o. No.

. Bueno, Carlos, Puebla. White satin, embroidered low shoes, sample of local general footwear. 656

. Committee, Local, Cuernavaca. Pair of native sandals, lizard skins. 656

Fung Lung Chung, Ures. Men's shoes. 656

. Gómez, Antonio, Durango. Shoes, various styles. 656

. Gonzales, Muñoz M., Mexico City. Gentlemen's shoes and lasts. 656

. Hernandez, Natividad, Durango. Riding boots. 656

. Legorreta, Vicente, Toluca. Ladies' and gents' shoes. 656

. Leon, Vicente de, Monterrey. Men's shoes. 656

. Manzano, Roberto, Merida. Shoes. 656

. Nuñez, Estanislao, Monterrey. Boots and shoes. 656

. Official Orphans' Asylum, Shops of the, Zacatecas. Boots and shoes of all kinds. 656

Exhibit No. Class'n No.

12. Penitentiary of Salamanca, Workshops, Salamanca. Buckskin suits. 657
13. Public School of Arts and Trades, the shops of the school, Toluca. Ladies' and gentlemen's shoes. 656
13a. Public School of Arts and Trades, the shops of the school, Morelia. Ladies' and gents' goat skin suits; shoes. 656
14. Rodriguez, Damaso, Saltillo. Shoes and buckskin. 657
15. Rodriguez, Victoriano, San Luis Potosi. Buckskin suit and gloves. 656
16. Rojas, Pena Francisco, Toluca. Babies' shoes. 656
17. Rus, Andres, Merida. Shoes. 656
18. Jesus, Jacques, Durango. Shoes various styles. 656
19. Valdes, Porfirio, Saltillo. Shoes, local styles. 656

GROUP 111.

20. Armendaiz, Francisco, Monterrey. Hides and skins, sole leather. 696

Leather and Shoe Trades Exhibit.

Exhibit No.		Class'n No.
21.	Avila, Venustiano, LaPiedad. Various skins.	696
22.	Bejarano, Ignacio, Mexico City. Wolves' skins.	696
23.	Brondo, Encarnacion, Monterrey. Deer skins.	696
24.	Cantu, Cesareo, Monterrey. Deer skins.	696
25.	Chavez, Felipe Ruiz de, Aguascalientes. Hides and skins.	696
26.	Chavez, Gregorio, Oaxaca. Wild cat skins, shoes, sole leather, calf skins, etc.	696
27.	Chisem, P. B., Ures. Sole leather.	697
28.	Committee, Local, Campeche. Fish skins cut in the rough, embroidered leather, alligator skins, etc.	700
29.	Committee, Local, Jalapa. Raw hides.	696
30.	Committee, Local, San Juan Bautista. Alligator and shoe skins.	700
31.	Cravioto, Rafael, Pachuca. Goat skins.	696
32.	Francisco, O. Arce, Bravos City. Various skins.	696
33.	Garcia, Emilio, & Co., Colima. Sole leathers.	697
34.	Gonzalez, Cosio Francisco, Queretaro. Deer and goat skins.	696
35.	Lartigue, Aurelio, Monterrey. Tiger skins, sheep skins.	697
36.	Lessance, Sucesor A., Mexico City. Leather belts.	696
37.	Lopez, Alberto, Monterrey. Blac goat skins.	69
38.	Martinez, Mucio General, Puebl Hides and skins.	69
39.	Menchaca, Santiago, Monterrey. V rious hides and skins.	
40.	Mercado, Aristeo, Morelia. So leather, kid skins, goat skins, etc.	69
41.	Moreno, Miguel, City of Teocaltich Shoe leathers.	69
42.	Ojeda, Victoriano, San Luis Potos Printed buckskins, patent leather skin etc.	69
43.	Zetina, Benito, Merida. Variou skins.	69
44.	Portillo, Rosario, Durango. So leather, hides and skins.	69
46.	Ramirez, Felipe, Tula. Ox-hide	69
47.	Raphael, Bracho, Durango. Skins different animals.	69
48.	Rodriguez, R., Tula. Ox-hides.	69
49.	Romano, Leopaldo, Tepic. Alligator tiger and other skins.	70
50.	Soberon, M. H., San Luis Potosi. Buckskins.	69
51.	Tames, Jacinto, Linares. Collectio of hides and skins.	69
52.	Zetina, C. B., Mexico City. Ca skins, sheep skins, goat skins.	69
53.	Quintanilla, Andres, Monterrey. Var ous hides and skins.	69

RUSSIA.

LOCATION—SEC. C—3.

Leather and Shoe Trades Exhibit.

GROUP 104.

Exhibit No. — Class'n No.

. Bogdanoff, V. F., St. Petersburg. Boots and shoes. 656

. Boots & Shoes M'f'g Co., St. Petersburg. Boots and shoes. 656

. Dishko, V., St. Petersburg. Boots and shoes. 656

. Galeyff, M. I., Kazan. Boots and shoes. 656

. Hibner, R. N., St. Petersburg. Boots and shoes. 656

a. Ministry of War. Boots. 656

. Russian American India Rubber Co., St. Petersburg. Boots, shoes and various articles. 656

. Smirnoff, M. N., Nizjni Novgorod. Felt boots and shoes. 656

. Sorockin, Village Kimra Tvier. Boots and shoes. 656

. Vissotzky, A. I., St. Petersburg. Boots and shoes. 656

. Weiss, H. K., St. Petersburg. Boots and shoes. 656

GROUP 108.

. Boots and Shoes M'f'g Co., St. Petersburg. Bags and trunks. 678–9

a. Buldakoff, St. Petersburg. Trunks. 679

. Dement, M., & Sons, Moscow. Leather-bag-beds and straps. 679

GROUP 111.

. Boots and Shoes M'f'g Co., St. Petersburg. Leather of various kinds. 697

. Brusnitzin, N. M., St. Petersburg. Leather. 697

. Damm, E. V., St. Petersburg. Specimens of stamped leather. 705

. Djemotchkin, I. P., Moscow. Hamburg leather. 697

Exhibit No. — Class'n No.

17. Erivanzeff, M. J., Tiflis. Mosaic leather table and samples of various leather. 705

18. Fofonoff, M. J., Village of Slobodskoy. Viatsk. Ammunition leather, wool, hair and glue. 697

19. Galeyeff, M. I., Kazan. Leather for furniture upholstering. 705

20. Hibner, R. N., St. Petersburg.
    a Fish skins, raw and manufactured. 696
    b White calf leather and willow bark. 697

21. Kosloff, I. A., Moscow. Chamois leather and gloves. 657-702

22. Kusnetzoff, A. I., St. Petersburg. Cap peak leather and harness. 697-9

23. Karpova, M. A., St. Petersburg. Patent leather and oil cloth. 699-702

24. Lavrientieff, I. M., Bolagansky District, Irkutsk. Leather. 697-701

25. Miller, K. A., St. Petersburg. Leather. 697

26. Mendelsohn, Em. F., Archangel. Chamois leather. 702

27. Rebroff, I. D., Moscow. Leather for boots and shoes. 697

28. Semenoff, S. M., St. Petersburg. Calf skin, common and patent leather. 697-8-9

29. Sorockin, Village Kimra Tvier. Hamburg leather and shagreen. 697-699

30. Skvorzoff & Sons, Moscow. Sole and saddle leather. 697

31. Serebrennikoff, S. I., Village Murashkino Nigegorodsk. Leather. 697

32. Savin, V. I., Ostushkoff Tvier. Russian leather of various kinds. 701

33. Vladimirsky Leather Work Co., St. Petersburg. Straps, harnesses and various leather. 697

34. Yakovkin, I. N., Blagoviestchensk on Amur. Leather. 697

AUSTRIA.

LOCATION—SECS. C and D and F—1-2-3-4.

Druggists' Supplies, Artists' Materials, Stationery, Upholstery, Ceramics and Mosaics

GROUP 87.

Exhibit No. — Class'n No.

1. **Adamek, Anton, Vienna. Soaps and** perfumes. 549
2. **Chemische Producten-Fabrik, Hrast-**nigg (Styria). Red oxide of iron. 545
3. **Costella Alois, Goesting, near Graz** (Styria). Restitutioss fluid. 549
4. **Petrik, Bernhard & Co., Bodenbach** (Bohemia). "Antikesselstein-compound." 545
5. **Unterweger Brüder, Thal Assling.** Conifer oil (with Alpine photographs). 549

GROUP 88.

6. **Hardtmuth, L., & Co., Budweis (Bo-**hemia). Artists' materials. 555

GROUP 89.

7. **Braeunert, Hermann, Vienna. Orna-**mental paper. 562
8. **Leykam-Josefsthaler Actiengesell-**schaft für Papier-und Druckindustrie, Gratwein, near Graz (Styria). Paper and paper pulp. 556
9. **Neusiedler Actiengesellschaft fuer** Papierfabrication, Vienna. Paper. 556
10. **Piette, P., Freiheit (Bohemia). Writ-**ing paper. 560
11. **Pollak, D. R. & Soehne, Vienna.** Paper goods. 557
12. **Schloegelmuehl, Actiengesellschaft der** k. k. priv. Papierfabrik, Vienna. Paper. 556
13. **Schnabl, Jak & Co., Vienna. Cigar-**ette paper. 558
14. **Schuetz, Christian, Vienna.**
    a Cigarette paper. 558
    b Colored paper. 562

GROUP 90.

15. **Chivalla Rud & Sohn, Vienna.**
    a Portieres. 568
    b Stove-screens. 572
16. **Erste Oesterr. Thueren-und Fussbo-**denfabriks-Gesellschaft, Vienna. Artistic furniture. 572
17. **Goldschmidt, Emil, Prague. Wooden** shades. 570
18. **Jaeger & Thiel, Vienna. Fancy fur-**niture of bamboo. 567
19. **Jaray, Sandor, Vienna. Ebony arti-**cles. 572

Exhibit No. — Class'n No.

19a. **Kloepfer, Johann, Vienna. Furniture** 57

Parlor furniture, style Louis Quinze.

20. **Kohn, Jakob & Josef, Vienna. Fur**niture of bent wood. 56

Warehouse 297 Pearl St., New York; 4 branch houses in all principal cities of th world; 8 factories, 15,000 hands. Our seat are bent from one piece of wood. Our paten indestructible iron screw leg joint acknowl edged the best. We export to all parts o the world. Send for catalogue.

22. **Mueller, Isidor, Vienna. Bambo**furniture. 56
23. **Scheidl Alois, Vienna. Furniture.** 56
24. **Schmitt, Ludwig, Vienna. Furniture** 56

24a. **Stiassny, Victor, Vienna.**
    a Furniture. 56
    b Artistic furnishings. 57

(Gilt bronze, porcelain and plush furniture. Camerden & Forster, 1152 and 1154 Broad way, New York, U. S. agents. These good represent the most novel made furniture i Vienna. Please notice hat racks.

25. **Thonet, Gebrueder, Vienna. Furni**ture of bent wood. 56

Branch, 824 Broadway, New York. Bent wood furniture invented 1839 by Michae Thonet. 21 branch houses in all principa cities of Europe. Seven factories; 11,00 hands. Product appropriate for use in al climates. Export to all parts of the world

GROUP 91.

26. **Altziebler, Michael, Cilli (Styria.) Terr**cotta products. 57
27. **Bawo & Dotter, Fischern near Carls**bad. Porcelain articles. 57
28. **Bosck, Carl Fr. & Co., Haida (Bohe**mia). Porcelain articles. 57
29. **Conrad C., Charlottenhuette nea**Salzburg. Terra cotta goods. 57
30. **Eichler, Ed., Dux.**
    a Terra cotta goods. 57
    b Fayance. 57
31. **Fritzsche & Thein, Prague. Porcelai**tobacco pipes and flagons. 57
32. **Goldscheider, Friedrich M., Vienna** Terra cotta goods. 57
33. **Groeschel & Spethmann, Teplitz**Turn (Bohemia). Porcelain. 57

Marble and Other Monuments, Glass and Glassware.

Exhibit No. — Class'n No.

4. **Lampl, W., Leipa (Bohemia.)** Floor of terrazzo mosaics. 580
5. **Lazarus & Rosenfeld, Steinschoenau** (Bohemia). Porcelain ware. 577
5a. **Lechner, R., Vienna.** Terra cotta figures. 574
6. **Mazel, Josef, Neustadt near Friedland.** Porcelain ware. 577
7. **Miller, Gustav, Bodenbach.** Flowers of porcelain. 577
8. **Neuhauser, Albert, Wilten.** Mosaics. With Alpine photographs. 580
9. **Otto, B., Vienna.** Terra cotta ware. 572
9a. **Porzellan Fabrik, Victoria Altrohlau,** Carlsbad, Bohemia. Porcelain goods. 577
Manufacturers of all kinds of useful and ornamental chinaware and art pottery. American branch, Lazarus, Rosenfeld & Lehmann, 60 and 62 Murray St., New York, and 66 E. Lake St., Chicago.
10. **Richter, Gustav H., Warnsdorf (Bohemia).** Porcelain ware. 577
11. **Riessner, Stellmacher & Kessel, Teplitz-Turn (Bohemia).** Porcelain goods. 577
13. **Stellmacher, Alfred, Turn-Teplitz (Bohemia).**
    a Fayance ware. 576
    b Porcelain goods. 577
14. **Urbach, Brueder, Teplitz (Bohemia).**
    a Terra cotta goods. 574
    b Majolica. 575
    c Fayance. 576
15. **Wagner, Anna, Emailatelier, Vienna.** Enameled ware. 576
16. **Wahliss, Ernest, Vienna.**
    a Specialties in Vienna porcelain. 575
    b Perforated fayance. 576
    c Fine art pottery. 577
Leading firm in this line. Shows a most beautiful collection of porcelain, fayance, and artistic pottery; "Christian Martyr," "The Four Parts of the World," "Rape of the Sabines," "Psyche," "Cleopatra," Two Copies After Deuner. Among the collection are two very large Vienna vases.
17. **Wiener, Email Werke, Vienna.** Enameled ware. 576

GROUP 92.

18. **Stuflesser, Ferdinand, St. Ulrich,** Groeden. Sculptures. With Alpine photographs. 881
19. **Brozovic, Franz, Vienna.** Bronze dish. 585
50. **Kalmar, J. (formerly Ludwig Boehm),** Vienna. Bronze goods. 585
51. **Kratochvil, Lorenz, Vienna.** Fancy bronze goods. 585
52. **Krauliz, Adolf, Vienna.** Fancy bronze goods. 585

GROUP 93.

Exhibit No. — Class'n No.

53. **Lux, C. W., Widow, Vienna.** Bronze goods. 585
54. **Milde, Albert & Co., Vienna.** Art metal work. 585
55. **Nehr, Alexander, Vienna.** Art metal work. 585
56. **Neufeld, Leopold, Vienna.** Goods of bronze and brass. 585
57. **Schwarz, Anton, Vienna.** Art metal work. 585
58. **Stiassny, Victor, Vienna.** Bronze goods. 585
59. **Waschmann, Carl, Vienna.** Ciseled bronze and silver goods. 585
60. **Wilhelm Ludwig, Vienna.** Art metal work. 585

GROUP 94.

61. **Bouquoy'sche Graf Carl, Glasfabrik** Schwarzthal, (Bohemia). Fancy glassware. 593
62. **Goldberg, Karl, Haida (Bohemia).** Decorated glass goods. 593
63. **Harrachsche, Erlaucht Graf, Glasfabriken,** Neuwelt (Bohemia). Fancy glassware. 593
64. **Heyenbarth August's Erben, Haida** (Bohemia). Fancy glassware. 593
65. **Huebner, Ferdinand, Vienna.** Glassware. 593
66. **Inwald, Josef, Vienna.** Glassware. 593
67. **Lazarus & Rosenfeld, Steinschoenau** (Bohemia). Glassware. 593
American branch, Lazarus, Rosenfeld & Lehmann, 60 and 62 Murray St., New York, and 66 E. Lake St., Chicago.
68. **Lobmeyr, J. & L., Vienna.** Fancy glassware. 593
69. **Loetz Johann Wittwe, Klostermuehle** (Bohemia). Fancy glassware. 593
70. **Moser, Ludwig, Karlsbad.** Fancy glassware. 935
71. **Mueller, Hermann, Ulrichsthal-Meistersdorf** (Bohemia). Glassware. 591
72. **Rasch, Clemens & Sohn, Ulrichsthal** (Bohemia). Fancy glassware. 593
73. **Schimmel & Kraemer, Steinschoenau** (Bohemia). Fancy glassware. 593
74. **Taussig, M., Gablonz near Reichenberg.** Fancy glassware. 593
75. **Tschernich & Co., Haida (Bohemia).** Fancy glassware. 593
76. **Ulrich, Heinrich, Wilhelmsthal near** Iglau. Fancy glassware. 593
77. **Wagner, Franz, Ulrichsthal-Meistersdorf** (Bohemia). Fancy glassware. 593
78. **Zeckert, Johann & Sohn, Meistersdorf** (Bohemia). Fancy glassware. 793

Carvings, Gold and Silverware, Jewelry.

GROUP 96.

Exhibit No. — Class'n No.

79. Albert, Alexander, Vienna. Ebony work. 598
80. Amber Turners of Vienna, Collective exhibit: Amber and meerschaum work: Anton Budel, Franz Danes, Franz Irges, Ignaz Kunesch, Johann Lederer, Adolf Lichtblau, Johann Ossana, Brueder Spiller. Pearl and ivory: Rudolf Furtner, Victor I. Wachtel. Smoking articles: Georg Berouschek, Josef Frankenstein, Ludwig Pressler, Amon Reitter, Franz Siroucek, Thomas Strait. Wood: Mich., Bing & Sohn, Rudolf Breyer, Edler & Vincenz, M. Goldfarb, Franz Hiess & Sohne, H. Kemperling, Karl Kunisch, Leo Langstein, Johann Ledwina, Karl Mueller, Karl Pawlick. Metal: Josef Beran, Josef Homolka, Johann Payer, Johann Perstinger, Anton Schall, Julius Zipper. 680
81. Bamberger, Carl, Vienna. Ebony work. 598
81a. Hiess, Franz and Soehne, Vienna. Carvings in ivory, amber and shell. 599
82. Kloepfer, John, Vienna. Carvings in ebony. 598
82a. Krehan, Karl, Vienna. Carvings in mother of pearl. 599
83. Krejcik, Josef, Prague. Ecclesiastical wood carvings. 598
84. Loewy & Fuchs, Vienna. Wood carvings. 598
85. Pfeiffer, Carl, Vienna. Carved wood. 598
86. Robitschek, F., Karbitz, Bohemia. Rosaries, crucifixes, etc. 598
87. Scheiber & Klein, Vienna. Carvings in ebony. 598

GROUP 97.

88. Boehm, Herman, Vienna. Gold and silverware. 604
89. Frank Brueder, Vienna. Gold and silverware. 604
90. Gallus & Wolf, Prague. Gold and silverware for the table. 604
91. Heller, Baldwin, Soehne, Teplitz, Bohemia. Metal ware. 608
92. Jira, Franz, Prague. Gold ware. 604
93. Langer, Emil Rudolf, Landskron, Bohemia. Gold and silverware. 607
94. Lustig, Karl L., Vienna. Gold and silverware. 604
95. Peterka, Johann, Vienna. Metal goods. 608
96. Pick & Fleischner, Vienna. Cane heads. 607
97. Porzer, Thomas, Vienna. Cane heads of gold and silver. 607
98. Robesch, Johann, Vienna. Gold and silverware. 604

Exhibit No. — Class'n No.

99. Scheid, G. A., Vienna. Silverware and jewelry. 604
Silver fancy goods, cigarette cases, match boxes, souvenir spoons, etc. Choice painting, enameling and artistic modeling a specialty.
100. Stern, Heinrich, Vienna. Metal goods. 608
101. Trnka, Gebrueder, Prague. Metal goods. 608
102. Unger, Franz, Vienna. Fancy metal goods. 608
103. Zander, Alfred. Vienna. Tableware. 605

GROUP 98.

104. Fuxa, Gebrueder, Kuttenberg (Bohemia). Jewelry. 612
105. Gerlitzky Josef R., Prague. Garnet articles. 615
106. Goldschmidt, Michael, Soehne, k. k., Hoflieferansten, Vienna. Garnet articles. 615
107. Heller, Baldwin, Soehne, Teplitz (Bohemia). Jewelry. 612
108. Jeiteles, Jakob H. Soehne, Gablonz (Bohemia).
   a Jewelry. 612
   b Pearls. 615
109. Jira, Franz, Prague. Garnet goods. 615
110. Kaminski, D. Prague. Garnet goods. 615
111. Kersch, M., Vienna. Garnet goods. 615
112. Kirchner, Marie, Goerz (Kuestenland). Jewelry. 612
113. Kretsch, Jacques, Vienna. Jewelry. 612
114. Paxreiner, Karl, Vienna. Jewelry. 612
115. Roessler, J., Gablonz (Bohemia). Jewelry. 612
116. Sailer, Benedict, Vienna. Goods of tortoise-shell and horn. 614
117. Schier, Franz, Gablonz, near Reichenberg. Jewelry. 612
118. Schlechta, Franz, Curnau (Bohemia). Garnet goods. 615
119. Steiner & Kolliner, Prague. Garnet goods. 615
120. Tresnak, Johann, Vienna. Garnet goods. 615
121. Turiet & Bardach, Vienna. Jewelry. 612
122. Weigend & Pueschner, Tyssa, near Bodenbach (Bohemia). Jewelry. 612
123. Wuensch, Adolf E., Triest. Jewelry. 612

Horology, Silks, Yarns, Woven and Felted Goods, Clothing, etc.

GROUP 99.

Exhibit No. — Class'n No.

4. **Fuxa Gebrueder, Kuttenberg (Bohemia).** Parts of watches. 618

GROUP 100.

5. **Hueckls J. Soehne, Neutitschein** (Moravia). Soft and stiff hair and velvet hats. 630
6. **Leon, Julius, Vienna. Portrait of His** Majesty, the Emperor of Austria, woven in silk. 629
7. **Neumann, David, Sohn, Zwittau (Bohemia).** Silk goods and velvets. 630

GROUP 102.

8. **Garber, Johann & Sohn, Vienna.** Cotton goods. 638
8a. **Hakl, Johannes, Starkenbach, Bohemia.** Linen goods. 639
9. **Helfert, Karl, Freudenthal (Silesia).**
   a Cotton goods. 638
   b Linen and damask goods. 639
0. **Marburg, G., Freudenthal (Silesia).**
   a Cotton goods. 638
   b Linen goods. 639
1. **Plischke, J., & Soehne, Freudenthal.**
   a Cotton goods. 638
   b Linen goods. 639
2. **Siegl, Karl, sen., Maehr. Schoenberg.** Linen goods. 639

GROUP 103.

3. **Auspitz L. Enkel, Brünn. Woolen** goods. 641
4. **Baur & Soehne, Innsbruck. "Loden"** cloths (with Alpine photographs).
5. **Kurz, Franz, Jagerndorf (Silesia).** Woolen goods. 641
6. **Latzko, Heinrich, Bruenn. Woolen** goods. 641
7. **Maier, Jos. J., & Co., Vienna.** Woolen goods. 641
8. **Oesterreicher, Josef St., Prague.** Laces. 647
9. **Quittner, Jakob & Soehne, Troppau.** Woolen goods. 641
0. **Redlich, Friedrich, Bruenn. Woolen** goods. 641
1. **Salomon, Jos. J., Reichenberg.** Woolen goods. 641
2. **Samek Brueder, Bruenn. Woolen** goods. 641
3. **Schwarz, Philipp, Vienna. Small** wares for furniture. 647
4. **Zipser, Eduard, & Sohn. Colored** woolen cloths. 641

GROUP 104.

4a. **Budie, Edouard (Maisen de Blanc),** Vienna. Lingerie. 653

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146. **Fuerth, Wolf & Co., Strakowitz** (Bohemia). Turkish fez. 654
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148. **Habig, P., & Co., k. k. Hofhutmacher,** Vienna. Felt and silk hats. 654
149. **Fta, J. Heinr., Vienna. Felt and silk** hats. 654
150. **Joss, M., & Loewenstein, Prague.** Laundry goods. 658
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151. **Loewenstein, Adolf R., Vienna. Boots** and shoes. 656
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21. **Menkes, Ephraim, Elbeteinitz (Bohe-**mia). Model of bureau. 567
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154. **Strakosch, B., Vienna. Boots and** shoes. 656
155. **Suppancic, V., Vienna.**
   a Shirts. 658
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156. **Weiss, Rudolf, Vienna. Gloves.** 657
157. **Zucker, Mathias, & Co., Vienna.** Turkish fez. 654

GROUP 106.

158. **Adler & Langer, Buenanburg (Bo-**hemia). Metal buttons. 668
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160. **Heller Baldwin Söhne, Teplitz (Bo-**hemia). Buttons. 668
161. **Jeiteles, Jakob, H. Sohn, Gablonz** (Bohemia). Fancy buttons and hat trimmings. 668

Agents for U. S. A., Ostheimer Brothers, Philadelphia and New York, and in the Austrian section, Chicago exhibition.

162. **Mayer, Sigmund, Vienna. Fans.** 667
163. **Paechter, Adolf, Bodenbach. But-**tons. 668
164. **Pick & Fleischner, Vienna. Metal** buttons. 668
165. **Popp, Hermann, Vienna. Pearl but-**tons. 668
166. **Storcks Karl Nachfolger, Vienna.** Buttons. 668
167. **Stupka, Mariette, Vienna. (Collective** exhibit of the turners of Vienna.) Fancy buttons. 668
168. **Tragsail, Heinrich, Vienna. Fans.** 667
169. **Traub & Strauss, Vienna.**
   a Fans. 667
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Hair Work, Traveling Equipments, Scales, Material of War, Etc.

Exhibit No. — Class'n No.

170. Weigend & Pueschner, Tyssa, near Bodenbach (Bohemia). Metal buttons. 668
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172a. Spieler and Eisler, Vienna. Artistic whalebone. 675
173. Tauber, Johann & Soehne, Vienna. Brushes. 675

GROUP 108.

174. Arneth, Franz, Vienna. Fancy leather goods. 680
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177. Gussmann, Bernhard, Vienna. Fancy leather goods. 680
178. Heller, Karl, Vienna. Fancy leather goods. 680
179. Huebner, Ferdinand, Vienna. Fancy leather goods. 680
180. Lindner, Oswald, Vienna. Umbrellas and canes. 681
181. Mayer, Sigmund, Vienna. Fancy goods. 680
182. Walter, Georg, Vienna.
 a Smokers' supplies. 680
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184. Willrader, Carl, Vienna. Smokers' supplies. 680
185. Wuerzel, M., & Soehne, Vienna.
 a Leather fancy goods. 680
 b Traveling equipments. 678

GROUP 109.

186. Trebitsch Brueder, Vienna. Rubber goods. 683

GROUP 110.

187. Grmela, Franz, Unterdorf (Moravia). Fancy case of wood. 695

GROUP 111.

188. Hofmeier, Julius. Leather imitation for wall decoration. 705
Agent E. W. Maass, 31 Liberty St., N. Y.
189. Poeschel's, Josef, Soehne, Vienna. Machine straps. 704

GROUP 113.

190. Skoda, E., Pilsen (Bohemia). Mitrailleuses. 715

GROUP 115.

Exhibit No. — Class' No.

191. Hoschek Brueder, Prague. Stea cooking apparatus. 72
192. Reiss, August, Nachfolger, Vienna Coffee and tea cooking apparatus. 73

GROUP 116.

193. Denk, Josef, Vienna. Tin-plat goods. 73
194. Winkler, Alois & Co., Vienna. Tin plate signs. 73

GROUP 119.

195. Egydyer Eisen und Stahl-Industri Gesellschaft, Vienna. Files of crucibl steel. 75
195a. Meintschel, Karl, Nixdorf, Bohemia Pocket knives, scissors. 75
196. Skoda, E., Pilsen (Bohemia). Ste goods. 74

GROUP 120.

197. Dumont, Paul, Vienna. Bathing ap pliances and attachments. 75
198. Guttmann, L., Vienna. Closets. 75
199. Nadhera, A., Vienna. Closets. 75

GROUP 121.

200. Hoffmann Josef, Reichenberg. Bil iard cues.
201. Kowarz, Johann, Vienna. Pea goods.
202. Krehan, Karl, Vienna. Pearl goods
203. Zabokrtsky, Franz, Prague. Billiar cues.

Exhibits Classed in Other Departments but installed in This.

DEPARTMENT K.

GROUP 142.

Paintings on Porcelain or Other Wares

204. Komtschek, Anton Wenceslaus Weinberg near Prague. Glass and porce lain paintings.

DEPARTMENT L.

GROUP 150.

Literature, Books, Libraries, Journalism

205. Enders, L. V. Noutitscheim, Mor avia. Stationery and printed goods. 85
206. Engel, Emil M., Vienna. Printe and lithographic work. 85
207. Halauska A., Hallein-Salzburg. Selenotype prints. 85

BELGIUM.

LOCATION—SEC. L-1-2-3-4.

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2. **Debin, Jules, Charleroi.**
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   b Bandages. 548
3. **De Marbaix, Aug., Antwerp. Perfumery and soap.** 549
4. **Demoulin-Fastré, Jacques, Liége.** Cosmetics and pomades. 549
4a. **"Fortis" Powder and Explosives Company, Limited, Brussels.** Powder and explosives. 550
5. **Jonas, Aime, Brussels. Essential oils,** essences. 549
6. **Mampaey, Pierre, Antwerp. Elixir.** 547
7. **Poncelet, Em., Verviers.**
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   b Bandages. 548

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8. **Botelberge, Gustave, & Co., Melle-lez-Gand.** Ultramarine. 552
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10. **Mommen, F., Brussels. Artists'** supplies. 555
11. **Tempels, Daniel, Brussels. Artists'** colors. 555

GROUP 89.

12. **Dars & Co., Merbes-le-Chateau.** Bituminated building-board for roofs. 557
13. **Dartois, J., & Co., Jupille-lez-Liege.** Bituminated building-board. 557
14. **De Vriendt, André, Brussels. Wrapping paper.** 558
15. **Meyer, Maz, Brussels.**
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   b Pens. 564
16. **Vandermynsbrugge, Victor, London.** Typewriters and stenographic machines. 564

GROUP 90.

Exhibit No. — Class'n No.

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18. **Damman & Washer, Brussels. Wainscoting, inlaid floors, etc.** 571
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   b Draperies. 568
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   b Furniture. 567
   c Hangings. 568
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22. **Pierrard, Joseph, fils, Brussels. Decorative painting.** 571
23. **Rosel, F., Brussels.**
   a Furniture. 567
   b Draperies. 568
24. **Société Anonyme des Glaces d'Auvelais; Auvelais.** Beveled mirrors. 569
25. **Société Anonyme des Glaces de Charleroi, Roux.** Beveled mirrors. 569
26. **Tasson, Joseph, Brussels. Decorative** panels. 570
27. **Van Drooghenbroeck, Justinien, Brussels.** Designs for paintings, coats of arms, escutcheons, etc. 570
28. **Verstraete, Arthur, Gand.**
   a Easy chairs. 565
   b Couches. 567

GROUP 91.

29. **Boch, frères, La Louvière.**
   a Porcelain table ware. 577
   b Tiles. 578
   c Mural decorations. 579
30. **Escoyez, Louis, Tertre. Ceramic tiles.** 578
31. **Fieve, G., & Co., Gand. Tiles.** 578
31a. **Pollard, J., Brussels. Terra cotta** ware for decorative purposes. 574
32. **Wilmart, E., & Co., Basecles. Marble** tile. 578

Mantels, Art Metal Work, Glassware, Jewelry, Etc.

GROUP 92.

Exhibit No. — Class'n No.

33. Denis, Victor, Brussels. Marble mantels. 583
34. Evrard-Higot, L., Annevoie. Marble mantel. 583
35. Evrard, Léonce, Brussels. Marble mantels and objects of art. 583

GROUP 93.

36. Compagnie des Bronzes, Brussels. Bronze statues, vases, groups, etc. 585
36a. Seghers, Castelle (Guillaume), Brussels. Screen of forged iron. 585
37. Vandonck, Louis, Brussels. Art bronzes. 585

GROUP 94.

38. Baudoux, Eugène, Jumet. Window glass. 590
39. Bauthière, Jules, Montigny-sur-Sambre. Window glass. 590
40. Desgain Freres, Lodelinsart. Window glass. 590
41. Lambert & Co., Jumet. Window glass. 590
42. Mondron, Leon, Lodelinsart.
    a Window glass. 590
    b Cut glass, engraved and etched. 592
    c Fancy glassware. 593
43. Pierson, J., fils, Brussels. Engraved glass. 592
44. Société anonyme des Verreries de la Roue, Lodelinsart. Window glass. 590
45. Société anonyme des Verreries de L'Etoile, Marchienne-au-Pont. Window glass. 590
46. Société des Verreries de Mariemont, Haine-Saint-Pierre. Window glass. 590
47. Societe anonyme des Verreries de Jumet, Jumet. Window glass. 590

GROUP 95.

48. De Taffe, Adolphe, Brussels. Stained glass. 596
49. Pluys, Léopold, Malines. Painted glass windows. 597
50. Willcox, Constant, Malines. Stained glass windows. 596

GROUP 97.

51. Houy, C., Brussels. Silverware. 604

GROUP 98.

52. Brand, George, Brussels. Fancy jewelry. 612
52a. Dufour, Auguste, Brussels. Jewelry. 612

Exhibit No. — Class No.

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54. Vandemaele, Emile, Brussels. G jewelry. 6
55. Van Strydonck, Léopold, Brussel Jewelry. 6

GROUP 101.

56. Société anonyme de La Lys, Gan Jute and tow fibres. 6

GROUP 102.

57. Baertsoen & Buysse, Gand. Lin and other fabrics. 6
58. Defraiteur, Eugène, Verviers. Cord 6
59. Eloy & Co., Brussels. Cotton print 6
60. Société anonyme de Florida, Gan Cotton fabrics and thread. 6
61. Société anonyme de La Lys, Gan Linen thread and cord. 6
62. Société anonyme La Dendre, Te monde. Cotton counterpanes. 6
63. Société anonyme linière La Liév Gand. Linen thread and cord. 6
64. Thienpont, L., & fils, Gand. Lin tablecloths, damask, etc. 6
65. Van den Bemden, J. B., Brussel Candle-wick, etc. 6

GROUP 103.

66. Darimont, L. & H. & frère, Vervier Woolen goods. 6
67. Chatin, Joseph & Co., Ensival. No elty goods. 6
68. Garot, L. & J., Verviers. Wool goods. 6
69. Lejeune, Leon, Verviers. Card wool; yarn. 6
70. Lieutenant, Henri, Pepinster. Comb and carded wool; yarn. 6
71. Petit & Follet, Verviers. Wool goods. 6
72. Pirenne, frères, Verviers. Wool goods. 6
73. Simonis, Iwan, Verviers. Wool goods, billiard cloth, etc. 6
74. Société anonyme Belge de Peignag et Filature de Laine La Vesdre, Vervier Yarns, etc. 6
75. Van Damme & Keuller, Hamme. Ca pets. 6
76. Voos, J. J., Verviers. Woolen good 6

GROUP 104.

77. Dutoict & Co., Brussels. Corsets. 6
78. Fontaine, frères, Leuze. Hosiery. 6

Furs, Laces, Traveling Equipments, Material of War, Etc.

Exhibit No. — Class'n No.

79. Gengoux, J. B., Brussels. Boots and shoes. 656
80. Gillet, F., Brussels. Boots and shoes. 656
81. Hepworth & Co., Watteren. Hosiery. 657
82. Manufacture de feutres et chapeaux, Brussels. Hats. 654
83. Vanbuggenhoudt, fils ainé & Co., Brussels. Men's ready made clothing. 652
84. Vaxelaire-Claes, Brussels. Ladies' costumes, etc. 653

GROUP 105.

85. Block, C. & Welsch, A., Meirelbeke-lez-Gand. Furs and skins. 660
86. Block, Edmund, Gendbrugge. Furs and skins. 660
87. Jaubert, Edmond, Cureghsem.
    a Dyed furs and skins. 660
    b Muffs, etc. 662
88. Société anonyme "La Fourrure," Alost. Furs and skins. 660

GROUP 106.

89. Campagnie des Indes, Brussels. Laces. 644
90. Dedlercq-Clément, Iseghem. Laces, etc. 664
91. Derooster, R., Brussels. Buttons and military ornaments. 668
92. Goetghebuer, Alida, Brussels. Embroideries. 665
93. Grossé, Joseph, Bruges. Embroidery. 665
94. Houtmans, Adrien-Jean, Brasschaet.
    a Laces. 664
    b Embroideries. 665
95. Lavalette & Co., Brussels. Laces. 664
96. Minne-Dansaert, Mlle., Brussels. Laces. 664
97. Pierson, Joséphine, Ixelles. Embroideries, etc. 665
98. Verbist, M., Brussels.
    a Laces. 664
    b Embroideries. 665

GROUP 108.

99. Houtain, Emile, Brussels. Pipe bowl. 680

GROUP 109.

100. De Schamphelaer, Pol., Gand. Rubber goods. 683

GROUP 111.

Exhibit No. — Class'n No.

101. D'Anvers, Charles, Gand. Leather belting, etc. 704

GROUP 112.

102. Foidart, Mathieu, Brussels. Water meters. 711

GROUP 113.

103. Ancion, J., Liége.
    a Military small arms. 714
    b Sporting fire arms. 718
104. Clément, C., Liége.
    a Military small arms. 714
    b Sporting fire arms. 718
105. Fabrique nationale d'armes de guerre, Herstal. Military small arms, ammunition. 714
106. Heuse-Lemoine, E., Nessonvaux. Gun barrels. 714
107. Lochet-Habran, Laurent, Jupille. Steel gun barrels. 714
108. Nagant, E. & L., Liége. Fire arms. 718
109. Pieper, Henri, Liége.
    a Military fire arms. 714
    b Sporting fire arms. 718

GROUP 114.

110. Bruers, Louis, Brussels. Gas lamps. 721
111. Fraikin & Andrien, Liége. Lamps. 719
112. Schroéter-Aaerts, Malines. Brass chandeliers. 721

GROUP 115.

113. Bertels, Jos., Antwerp. Copper fireplace. 724
114. Fraikin & Andrien, Liége. Petroleum stoves. 729
115. Hepner, Brussels. Grates. 724

GROUP 116.

116. Aubry, Ad. & Fils., Gosselies. Household utensils of enameled iron. 734
117. Thibaut, L., & Co., Viesville. Enameled ware. 734

GROUP 118.

118. De Ceulener, Henri, Brussels. Horseshoes. 746
119. Forges de la Providence, Marchienne. Shaped iron and steel, etc. 746
120. Mabille, Valère, Mariemont. Iron and steel beams, girders, columns, etc. 745

Hardware, Miscellaneous.

Exhibit No.		Class'n No.
121.	**Schryvers, Prosper, Brussels.** Artistic iron work.	743
122.	**Seghers-Castelle, Brussels.**	
	a Wrought iron.	743
	b Fire boxes.	745
123.	**Sillen - Emmerechts, A., Blauw.** Wrought-iron grating.	743
124.	**Sociètè anonyme des usines et fonderies de zinc de la Vielle-Montagne; Angleur.** Samples of roofing.	744

GROUP 119.

125.	**Foccroulle, Charles, Kinkempois-Angleur.** Jack screws.	747
126.	**Lukers, Guillaume & Gendarme, Seraing.** Jack screws.	747

GROUP 121.

Exhibit No.		Class'n No.
127.	**Thomas, Père & Fils, Liége.** Builders' hardware.	747
128.	**Marchal, Louis-Myacinthe, Brussels** Fire-proof clothing.	

Exhibits Classed in Other Departments but Installed in This.

DEPARTMENT L.

GROUP 147.

Physical Development, Training and Condition—Hygiene.

129.	**Wittevronghel, Gustave, Antwerp.** Filtering sewer gullies.	829

CANADA.

LOCATION—SEC. B and SEC. C-1.

Druggists' Supplies, Paints, Paper, Upholstery, Ceramics and Mosaics.

GROUP 87.

hibit No. — Class'n No.

. **Evans & Sons, Montreal.** Lessive powder. 547

a. **Lyman Sons & Co., Montreal.**
a Pharmaceutical products. 547
b Perfumery. 549

b. **Taylor, Charles, St. John, N. B.** Extract soap bark. 544

GROUP 88.

. **Canada Paint Co., Montreal.**
a Paints, colors. 552
b Varnishes, etc. 554

GROUP 89.

. **Brown Bros., Toronto.** Blank and account books. 561

a. **Dominion Type Foundry, Montreal.** Type. 564

. **Knott & McLaren, Hamilton, Ont.** Inkstand. 564

. **Rolland Paper Co., Montreal.**
a Paper. 556
b Cardboards. 557

. **Toronto Paper Co., Cornwall, Ont.** Paper. 556

. **Walker Mining Co., Ottawa, Ont.** Pencils. 564

e Company's exhibit, Mining Building.

. **Watson, John C., & Co., Montreal.** Wall papers. 563

GROUP 90.

. **Anderson, C. E., London, Ont.** Chairs. 565

. **Cobban Mfg. Co., Toronto.**
a Bamboo furniture. 567
b Mantels. 570
c Moldings. 571

. **Courtney, Edward, Peterboro, Ont.** Picture inlaid in wood. 572

a. **Dodge & Adams, St. John, N. B.** Invalid adjustable and extension chairs. 565

b. **Havard Chair Co., Toronto.** Dental and invalid chairs. 565

. **Noble & Davidson, Toronto.** Inlaid table. 566

. **Roseburgh, R. M., Toronto.** Ventilating window. 571

GROUP 91.

Exhibit No. — Class'n No.

18. **Brown, Miss Bessie, Halifax.** Painted china. 577

18a. **Crookshank, Miss, St. John, N. B.** Painted china. 577

19. **Don Valley Pressed Brick Works,** Toronto. Pressed bricks, terra cotta. 574

19a. **Edwards, Mrs. H. N., Ottawa, Ont.** Painted china. 577

19b. **Miller, Mrs., Galt, Ont.** Painted china. 577

19c. **Ontario Depository of Ladies' Work,** Toronto. Painted china. 577

20. **Pigot & Bryan, London, Ont.** Decorated china and earthenware. 576

20a. **Reid, Miss, St. John, N. B.** Painted china. 577

20b. **Weese, D. A., Bellville, Ont.** Patent wall binder. 574

21. **Welding, W. E., Brantford, Ont.** Stone and Rockingham ware. 575

21a. **Zeland, Miss, Hamilton, Ont.** Painted china. 577

GROUP 92.

22. **Anthistle, W. J., London, Ont.** Stone sepulchre. 581

GROUP 94.

24a. **Ness, J. W., Montreal.** Telephones, insulators, etc. 591

GROUP 96.

25. **Kurrle, Wm., Montreal.** Wood carving. 598

26. **Ostler, Kasper, Hamilton, Ont.** Carved wood. 598

GROUP 100.

28. **Basso, Michael, Toronto.** Silk reeled from cocoon. 625

29. **Belding, Paul, & Co., Montreal.**
a Silk thread. 626
b Ribbons. 631

30. **Corticelli Silk Co., St. Johns, P. Q.** Spool silks. 626

Yarns, Woolen Goods, Clothing, Laces.

GROUP 102.

Exhibit No. — Class'n No.

31. **Canadian Colored Cotton Mills Co.,** Montreal. Cotton fabrics. 638
32. **Consumers' Cordage Co., Montreal.** Twine, flour bags. 638

Largest manufacturers of cordage and binder twine in Canada. Head office, Montreal, Que. Factories at Montreal, Que.; Quebec, Que.; Lachute, Que.; Halifax, N.S.; St. John, N.B.; Toronto, Ont.; Port Hope, Ont.; Brantford, Ont.; Winnepeg, Man., and Vancouver, B. C.

33. **Dominion Cotton Mills Co., Montreal.** Cotton fabrics. 638
34. **Montreal Cotton Co., Montreal.** Textile fabrics. 638

GROUP 103.

35. **Auburn Woolen Co., Peterboro, Ont.** Tweeds, etc. 644
36. **Cascade Narrow Fabric Co., Coaticook, Que.** Mohair and llama braids. 651
37. **Globe Woolen Mills Co., Montreal.** Meltons, tweeds, etc. 644
38. **Newlands & Co., Galt, Ont.** Imitation furs. 651
39. **Oxford Mfg. Co., Oxford, N. S.** Tweeds. 644
41. **Toronto Carpet Co., Toronto.** Ingrain carpet and mats. 649
42. **Trent Valley Woolen Mfg. Co., Campbellford, Ont.** Woolen goods. 641

GROUP 104.

44. **Coaticook Knitting Co., Coaticook,** Que. Underwear. 657
45. **Desorineau, Z. Z., & Co., Montreal.** Gloves. 657
46. **Norfolk Knitting Co., Port Dover,** Ont. Underwear. 657
46a. **Ontario Straw Goods Manufacturing** Co., Toronto. Straw and felt hats. 654
47. **Peninsula Knitting Mills, Thorold,** Ont. Underwear. 657
48. **Penman Mfg. Co., Paris, Ont.** Underwear, hosiery, etc. 657
50. **Slater, Geo. T., & Sons, Montreal.** Boots, shoes and slippers. 656
51. **Sandford, W. E., & Co., Hamilton,** Ont. Ready-made clothing. 652

We are the largest manufacturers in Canada. Retail stores, Oak Hall, Toronto, Hamilton, London, St. Catherines and Windsor. Clothing of all kinds made of English and Canadian cloth at one-half American prices.

GROUP 106.

Exhibit No. — Cla N

52. **Allan, Miss, Regina, N. W. Te** tories. Tray cloth.
52a. **Allan, Miss M., Regina, N. W. Te** tories. Embroidery on linen.
52b. **Appleby, Miss, Oakville, Ont. D** lies.
52c. **Allan, Mrs. W. A., Ottawa, Ont.**
   a Point lace doilies and scarf.
   b Crewel work scarf.
53. **Bagwell, Mrs. K., Hamilton, O** Five pieces art needlework.
53a. **Baker, Miss, Oakville, Ont. Croc** work.
53b. **Barrett, Miss R., Ottawa, Ont. E** broidered bed spread.
54. **Barrett, Mrs. D. A., Ottawa, C** Embroidered screen.
54a. **Bate, Miss Ethel, Ottawa, Ont. E** broidered linen tea cloth.
55. **Bawlf, Mrs. N., Winnipeg, M** Darning on net.
55a. **Beament, Mrs., Ottawa, Ont. E** broidered chamois skin.
56. **Beard, Miss Pauline St. J., St. Jo** N. B. Drawn work.
56a. **Beaton, Miss M., Kingston, Ont.** Crochet bed spread.
57. **Beemer, Miss M., Aylmer, Ont. L** handkerchiefs.
58. **Bowen, Mrs. A., Quebec. Embr** ered tea cosy.
58a. **Burritt, Miss, Ottawa, Ont. Embr** ered screen.
58b. **Cameron, Miss, Toronto. Ha** made tapestry.
58c. **Clemow, Mrs. F., Ottawa, Ont. E** broidered stole.
58d. **Cox, Miss G., Ottawa, Ont. Embr** ered bed spread.
58e. **Cox, Mrs., Ottawa, Ont. Ta** spread, ivory embroidery.
58f. **Currier, Mrs. T. W., Ottawa, O** Embroidered sofa pillow and table cl
59. **Davies, Miss L. H., Toronto.** man embroidery.
59a. **Dean, Miss, Quebec. Photo fram** Syrian embroidery.
60. **Deadman, Mrs. A. G., Lambeth, O** Kensington embroidery.
60a. **Doncan, Miss, Regina. Table cl** ivory embroidery.
61. **Douglas, Miss B., St. Catherin** N. S. Tapestry.
62. **Duff, Mrs. J. A., Myrtle. Knitting**
63. **Edwards, Edgar W., Vancouver, B.** Tapestry.

Laces, Embroideries, Trimmings, Artificial Flowers, Etc.

Exhibit No. — Class'n No.

3a. Edwards, Miss Ida, Ottawa, Ont. Embroidered fire screen. 669

3b. Gilroy, Miss, Regina, N. W. Territories. Crochet work. 665

4. Gerrard, Mrs., Lambeth, Ont. Needlework. 669

4a. Glashan, Miss, Ottawa, Ont. Embroidered bureau scarf. 669

5. Gouin, Fanny M., Richmond, Que. Embroidery. 669

6. Grant, E. Florence, St. John, N. B. Embroidered doilies. 669

7. Handyside, Mary B., Ottawa, Ont. Embroidered fans and table spread. 669

7a. Hume, Miss, Ottawa, Ont. Embroidered photo frames. 669

7b. Hunton, Miss E., Ottawa. Embroidered bed spread. 669

9. Johnstone, Mrs. C., Askin, Ont. Embroidery. 669

9a. Jones, Miss E., Quebec, P. Q. Embroidered table center and doilies. 669

10. Kidd, Jessie E., Ottawa, Ont. Embroidered screen. 669

10a. Kirby, Mrs. Halder, Ottawa, Ont.
a Fan. 667
b Embroidered tea cloth. 669

11. Lear, Mrs. Fred, Toronto. Crochet work. 665

11a. Little, Miss A., Waterford, Ont. Embroidered scarf. 669

12. Lord, Mrs. T. Ellery, Hull, Que. Embroidered screen. 669

12a. Macdonald, Mrs., Montreal, P. Q. Shell work. 665

12b. Macdonald, Mrs. De Belle-feuille, Montreal.
a Lace. 664
b Tapestry. 670

13. Maritime Women's Christian Temperance Union, Cow Bay, N. S. Fancy articles. 665

13a. Marshall, Miss, Halifax. Embroidered tea cloth and tea cosy. 669

14. Martin, Mrs. C. H., Ottawa, Ont. Drawn thread handkerchief. 669

15. McDonald, Mrs. F., Toronto. Needle and crochet work. 665

16. McKenzie, Mrs. Wm., Teeswater, Ont. Crochet work. 665

16a. McKichan, Mrs., Winnipeg. Crochet dress. 665

16b. McLean, Miss, Toronto. Table spread, eastern embroidery. 669

17. McLean, Sarah M., Ottawa, Ont.
a Embroidered screen. 669
b Fan. 667

Exhibit No. — Class'n No.

78. McMorran, Mrs. R. M., Ottawa, Ont. Embroidery. 669

79. Montreal Society of Decorative Art, Montreal.
a Art embroidery and needlework. 669
b Tapestry. 670

79a. Moore, Mrs. I., Victoria, B. C. Slippers, chinese embroidery. 669

81. Muir, Miss Laura, Grimsby, Ont. Embroidery and needlework. 669

82. Munro, Belle, Ottawa, Ont. Embroidered fan. 667

82a. Murphy, Miss Kate, Montreal. Tatted parasol cover. 665

83. Nellis, Mrs. H. H., London, Ont.
a Lace. 664
b Crochet work. 665

83a. Newton, Miss E., Quebec. Landscape in embroidery. 669

84. Odell, Lillie E., Ottawa, Ont. Portiere and sofa cushion. 669

85. Ontario Depository of Ladies' Work, Toronto.
a Crochet work. 665
b Embroidery. 669

86. O'Rielly, Mrs. E., Aylmer, P. Q. Embroidered table cover. 669

87. Perley, Henry M., Ottawa, Ont. Embroidered tea cloths. 669

88. Perley, Mrs. H., Ottawa, Ont. Embroidered table centers. 669

89. Peters, Miss H., St. John, N. B. Embroidered pulpit drape. 669

90. Powell, Miss Polly, Halifax, N. S. Embroidered coat of arms. 669

90a. Robertson, Mrs. T. F., Oakville, Ont. Table center. 669

90b. Roche, Miss Gussie, Kingston, Ont. Knitted shoes. 665

90c. Rowand, Miss, Quebec. Table-spread and cushions. 669

90d. Romerill, Mrs., Quebec. Dolls, crochet work. 665

91. Quayle, Thos., Montreal. Tapestry. 670

92. Scott, Mrs. John, Hull, Que. Point lace. 664

92a. Scott, Miss H., Ottawa, Ont. Embroidered bed spread. 669

92b. Scott, Miss M., Ottawa, Ont. Embroidered bed spread. 669

93. Seagram, Miss, Toronto. Knitting in wool. 665

93a. Seybold, Mrs. A., Ottawa, Ont. Embroidered table spreads, ivory work. 669

94. Skinner, Miss Constance, Prescott, Ont. Crochet work. 665

Hair Work, Cooking Appliances, Refrigerators, Hardware, Etc.

Exhibit No. — Class'n No.

95. Smith, Mrs. Sydney, Ottawa, Ont.
 a Embroidered fan. 667
 b Embroidered screen. 669
95a. St. Joseph's Convent, Toronto.
 a Lace handkerchief. 664
 b Embroidered panel and cushion. 669
95b. Sulte, Miss, Three Rivers, Quebec. Box in jewel embroidery. 669
96. Thistle, F. Mary, Ottawa, Ont. Embroidered fan. 667
96a. Thompson, Mrs. J., Fergus, Ont. Doilies. 665
96b. Thompson, Mrs. R., Ottawa. Table spread embroidered, and mats embroidered. 669
96c. Todhunter, Mrs., Toronto. Fine knitting, stockings. 665
97. Walker, Miss, Ilderton, Ont. Crochet trimming. 665
98. Wills, Miss Tilly, Ottawa, Ont. Embroidered sofa pillow. 669
98a. Welsh, Mrs., Quebec. Oriental embroidery. 669
98b. Wilson, Mrs., Ottawa, Ont. Embroidered tea cloth, cosy and table center. 669
98c. Wurtele, Mrs. Ernest, Quebec. Embroidered initials. 669

GROUP 107.

99. Trancle, J., Armand & Co., Toronto. Hair goods, coiffures, etc. 673

GROUP 108.

101. Turner, J. J., & Son, Peterboro, Ont. Tents, awnings and hammocks. 676

GROUP 109.

102. Atkinson Bros., Toronto. Celluloid novelties. 686

GROUP 110.

103. Atchinson Bros., Toronto. Fancy articles. 695
103a. Whelpley & Co., J. A., Greenwich, N. B. Toys. 693

GROUP 111.

104. Beardmore & Co., Toronto. Sole and harness leather. 697
107. Breithaupt Leather Co., Berlin, Ont. Sole and harness leather. 697
108. Gourdeau, Felix, Quebec. Leather. 697

GROUP 112.

110. Wilson, C., & Son, Toronto. Scales. 706

GROUP 114.

Exhibit No. — Class No.

111. Atkinson Bros., Toronto. Lan shades. 7

GROUP 115.

112. Boyd, R. A., Belleville, Ont. Smoot ing iron and friller. 7
113. Gurney, E. & C., Co., Toronto.
 a Hot water heaters. 7
 b Ranges and stoves. 7
114. Ives, H. R., Montreal. Hot wat heaters. 7
117. McClary Mfg. Co., London, On
 a Stoves and ware. 7
 b Kitchen furnishing. 7
118. Nicholson, M., Goderich, Ont. H water heater. 7
119. Strachan, D. K., Goderich, Ont. H water heater. 7
120. Trouillard, A., Montreal. Hot wat heaters. 7
121. Walker Mining Co., Ottawa, On Stove polish. 7

Only gold medal and decoration legion honor, Paris Exposition, 1878. See Company complete plumbago exhibit, Mining Bldg.

GROUP 116.

123. Wilson, C., & Son, Toronto. R frigerators. 7

GROUP 118.

126. Groves, Samuel, Hamilton, On Horse shoes. 74
126a. Nugent, W. D., Millbrook, Ont. Horseshoes. 74
127. Toy, Wm., Intervales, N. S. Hors shoes. 74

GROUP 119.

129. Canadian Screw Co., Hamilton, On Screws, bolts and rivets. 74
131. Halifax Shovel Co., Halifax, N. S Spades, shovels, etc. 74
132. Shurley & Dietrich, Galt, Ont. Saws 75

GROUP 120.

134. Malcolm, W. B., Toronto, Ont. San itary earthenware. 75
135. Perkins, S. C., Ottawa, Ont.
 a Bath. 75
 b Sink traps. 75

Miscellaneous.

xhibits Classed in Other Departments but Installed in This.

DEPARTMENT G.

GROUP 83.

hicles and Methods of Transportation on Common Roads.

hibit No. | Class'n No.

6. **Starr Manufacturing Co., Halifax,** N. S. Acme skates.

his exhibit contains one hundred pairs of ckel, silver and gold plated acme, skele-n, hockey and racing skates. This com-ny are the original and sole makers of the nuine Acme skates, renowned all over the ating world, and which are considered e best skates in existence.

7. **Whelpley & Co., J. A., Greenwich,** N. B. Skates.

DEPARTMENT K.

GROUP 142.

Paintings on Ivory, Enamel, etc.

Exhibit No.		Class'n No.
138.	**Auerbach, Miss, Montreal.** Painted screen.	
139.	**Holmes, Mrs. G, B., Ottawa, Ont.** Painting on silk.	
140.	**Macdonell, Miss, Montreal.** Designs for china in water color.	
141.	**Montreal Society of Decorative Art.** Painted doilies.	
142.	**Morley, Miss E. W., St. John, N. B.** Painted screen.	
143.	**Ridd, Miss, Windsor, N. S.** Doilies painted on silk.	

FRANCE.

LOCATION—SEC. H and SECS. M and L-1-2-3.4.

Chemical and Pharmaceutical Products, Druggists' Supplies.

GROUP 87.

Exhibit No. — Class'n No.

1. **Adrian, Louis A., et Cie, Societe** francaise de produits, pharmaceutiques, Paris. Pharmaceutical productions. 547
2. **Asselin, Eugene, Saint-Denis (Seine).**
   a Fat acids. 543
   b Salts of baryte and manganese. 544
   c Copper of cement; bioxyde of copper. 545
3. **Aulagne, Emile, Saint-Etienne.** (Loire). Aulagne flax, instantaneous cataplasms. 547
4. **Baron, Emile, fils, Marseilles (Bouches-du-Rhone).** Soaps. 549
5. **Bouchet, Charles, et Cie, Pharmacie** centrale de France, Paris.
   a Pharmaceutic preparations. 547
   b Chemical supplies. 548
6. **Bourjois, A., et Cie, Paris.** Perfumery, soaps, cosmetics. 549
7. **Boyer, Pierre, et Cie, Gignac** (Herault). Lavender, thyme, aspic essences. 549
8. **Chassaing et Cie, Paris.** Pharmaceutic preparations. 547
9. **Chiris, Antoine, Grasse (Alpes-Maritimes).** Raw material for perfumery; essential oils. 549
10. **Cointreau, Edouard, fils, Angers** Maine-et-Loire.) English peppermint. 549
11. **Cornu, Charles, et Warin, Jules, Paris.** Globules, capsules, drops, etc. 547
12. **Cottan et Cie, Paris. Perfumery.** 549
13. **Darrasse freres et Landrin, Paris.**
    a Pharmaceutic productions. 547
    b Chemical supplies. 548
14. **Delpech, Paris.**
    a Pharmaceutic productions. 547
    b Chemical supplies. 548
15. **Demarson-Chetelat, Paris.** Perfumery, soaps. 549
16. **Dorin (H. Monin et G. Pinaud, successeurs), Paris.** Rouges. 549
17. **Fayard Blayn et Cie, Paris.** Plasterers. 548
18. **Get freres, Revel (Haute-Garonnel).** Green and white peppermint. 549
19. **Klotz, Victor, Maison Pinaud Paris.** Perfumery and soaps. 549

Exhibit No. — Class' No.

20. **Lautier fils, Grasse (Alpes-Mari** times.) Raw materials for perfumery. 54
21. **Lamaille, Georges et Cie, Paris** Triple extracts and essences. 54
22. **Mammelsdorff, Theodore, Paris** Dentifrice water, tooth powder, toile water and vinegar. 54
23. **Michaud fils et freres, Aubervillier** (Seine). Soaps, glycerine. 54
24. **Mottet, P., et Cie, Grasse (Alpes** Maritimes). Raw materials for perfum ery. 54
25. **Noir, Louis, Ancienne Maison Lec** pold, Paris. Perfumery. 54
26. **Parfumerie Hygienique Raspail, Paris** Perfumery, essences, toilet waters, soap 54
27. **Parfumerie Oriza Legrand, Raynau** (Antonin), successeur, Paris. Perfumer soaps and solidified perfumes. 54
28. **Richard Pache et Cie, Chamber** (Savoie). Sterilization for liquids. 54
29. **Rigaud et Chapotaut, Paris.**
    a Pharmaceutic productions. 54
    b Chemical supplies. 54
30. **Rigaud et Cie, Paris. Perfumery.** 54
31. **Rigollot, P., et Cie (L. Darasse et Ci** successeurs), Paris.
    a Veterinary powder. 54
    b Mustard papers. 54
32. **Roure-Bertrand fils, Grasse (Alpes** Maritimes). Raw materials for perfumer pomatums, oils, extracts. 54
33. **Roux fils Charles, Marseille (Bouches** du-Rhone). Soaps and materials. 54
34. **Simon fils, Joseph, Paris. Rice pow** der, cream soap. 54
35. **Societe anonyme des parfums de Can** nes, Paris. Raw materials for perfumer 54
36. **Societe du traitement des quinquinas** Paris. Sulphate of quinine and salts c quinine, cinchonamine, etc. 54
37. **Solvay et Cie, Varangeville-Dombasl** (Meurthe-et-Moselle). Sodic carbonat sodas, crystals of soda, etc. 54
38. **Thevenot, Charles, Dijon (Cote-d'Or)** Medical capsules. 54

Paints, Colors, Varnishes, Stationery, Furniture of Interiors, Upholstery, Etc.

ɔit — Class'n No.

Vaissier, Victor, Roubaix (Nord). ɔilet soaps and perfumery. 549

Wiggishoff, J. Ch., Paris. Perfumery, ıges. 549

GROUP 88.

Antoine, Leon, Paris. Writing inks. 552

Binant, A., Paris. Painting canvases. 555

Chalmel, Gustave, fils et gendre, Paris. cohol varnishes. 554

Chiraux-Lecerf, Louis, A. L., Cam-ıi (Nord). Boot blacking. 552

Deschamps freres, Robert-Espagne, euse). Ultra-marine blues for linen. 552

Expert-Bezancon et Cie, Paris. White ıd colors. 552

Hardy-Milori et Cie, Montreuil-sous-ɔis (Seine). Artists' colors. 555

Lacroix, A., Paris. Vitrifiable colors ' ceramic work, etc. 552

Leroy Ve. Ch., et Cie, Levallois-Perret ɔine). Unctuous blacking. 552

Levasseur, Gustave, et Cie, Paris. cohol varnishes. 554

Lorilleux et Cie, Paris. Typographic ɜs, lithographic block. 552

Marquet de Vasselot, Leon, Paris. ɔfined colors, inks, etc. 552

Olivier, Charles, Paris. Martin var-ɔh. 554

Olive Freres, Paris.
a Colors for wall paper. 552
b Fixative. 555

Peyrusson, Edouard, Limoges (Haute-ɔenne). New unalterable colors for corating porcelain. 552

Societe Anonyme des Matieres Color-ɜes et produits chimiques de Saint-Denis, ris. Coloring matters and chemical ɔductions derived from tar and coal. 552

Societe des Cirages Francais, Paris. ıcking. 552

Societe Francaise Anonyme des Blancs Zinc, Montdidier (Somme). Oxyde of c, zinc white, snow white. 552

Souillard-Crognier, Rue de Beauvais, ıiens (Somme). Sympathetic ink. 552

Tiercelin, L., et Charrier, Pithiviers ɔirer). Saffrons. 552

GROUP 89.

Bac, Charles, Paris. Pen-holders. 564

Blanchet Freres et Kleber, Rives ere). Parchment paper, etc. 560

Caillault et Levasseur, Paris. Lace pers and envelopes for sweetmeats. 562

Exhibit No. — Class'n No.

65. Chapon Freres, Paris. Transparent linen for plans, drawings, etc. 560

66. Conza, A., Paris. Fancy paste-board. 557

67. Darbley Pere et Fils.
a Paper pulp. 556
b Papers of various kinds. 558

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    - *c* Shawls, etc. 642
358. Societe Anonyme de Peignage, Roubaix (Nord). Combed wools. 640
359. Societe Industrielle de Reims, Reims (Marne).
    - *a* Combed wool, woolen yarn. 640
    - *b* Woolen fabrics. 641
360. Tabourier et Cie, Paris. Silk and wool fabrics. 644
361. Ternynck Freres, Roubaix (Nord). Woolen cloths. 641
362. Thomaron, A. M., Paris. Cloths for card tables. 648
363. Vaillant-Pruvot, Alphonse, Cambrai (Nord). Wool novelties. serges, etc. 643

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365. Akar, A., et Cie, Paris. Ready-made clothing. 652
366. Aubertin, Isidore, Paris. Skin, suede and kid gloves. 657
367. Bailly, Paul, Paris. Braces, etc. 658

Sole manufacturer of the "internationally famous world renowned and universally acknowledged unrivaled Guyot suspenders." Highest awards at all expositions. Repre-

Clothing and Costumes.

Exhibit No. Class'n No.

sented exclusively in North America by Ostheimer Bros., New York, Philadelphia and Montreal. For sale everywhere.

368. **Balsan Freres, Millau (Averyon).** Kid gloves. 657

369. **Bernheim Freres, Paris.** Jerseys. 653

370. **Berteil, Antoine, Paris.** Hats. 654

371. **Bertout, Adolphe, Paris.** Hosiery. 657

372. **Bonnevey, Edouard, Paris.** Skin gloves. 657

373. **Bounaix, Jeune, A. Paris.** Hats and caps. 654

374. **Buscarlet, Veuve, et Fils, Paris.** Kid gloves and skins. 657

375. **Boussus et Cie, Wighnehies (Nord).** Made-up fabrics. 653

376. **Centemeri, P., et Cie, Grenoble (Isere).** Kid gloves. 657

859 Broadway, N. Y.; 1229 Chestnut st., Phila.; 7 Kearney st., San Francisco. Sp'c'l ag'ts: J. H. Walker Co., Chicago; Wm. Barr Dry Goods Co., St. Louis; C. H. Phillips, Boston. Our gloves are made with special care for first class retail trade, and can be found in all the principal cities and towns of U. S.

377. **Chambre syndicale des fabricants de gants de Grenoble Grenoble (Isere).** Kid gloves. 657

378. **Charvet, Paris.** Men's underclothing. 658

379. **Coion, R., et Cie, Paris.** Boots of all kinds. 656

380. **Collin, Louis, Paris.** Military clothing, etc. 652

381. **Courvoisier, Bourgoin et Cie, Paris.** Kid gloves. 657

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384. **Farcy et Oppenheim, Paris.** Corsets. 658

385. **Fortin Fils et Deschamps, Paris.** Kid gloves. 657

386. **Franck, Lazare, Paris.** Trousseau, morning gowns, etc. 653

387. **Haas et Cie, Paris.** Hats. 654

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389. **Hayem, Paris.** Shirts, etc. 658

390. **Herth, Paris.** Boots, shoes. 656

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392. **Jeandron-Ferry, L. D., Paris.** Ladies boots. 656

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393. **Kahn, Paul, Paris.** Clothing; fancy articles for boys. 65[illegible]

394. **Kriegck, Nicolas.**
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   b Ladies' clothing. 65[illegible]

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37. Bapterosses et Cie, F., Paris. Porcelain buttons and beads. 668
ole makers of the "world renowned F. B. gate buttons." The unexcelled quality of ie F. B. agate buttons places them at the ead of all manufactures of inexpensive uttons, and no dry goods store can be without them. For information apply to Osteimer Bros., French section at Exposition.
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GERMANY.

Not having received the revised entries for Germany from the commissioners we are liged to go to press without them.—[Ed.] *August 10th, 1893.*

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The largest chemical manufacturers in the world. Capital Eight Million Dollars. Manufacture alizarine, aniline and other coal tar colors for dyeing wool, cotton, silk, paper and leather. Sole U. S. representatives, Wm. Pickhardt & Kuttroff, New York, Boston, Providence, Philadelphia, Chicago.

51. **Bormann, G., Nachfo Tuhaber, Otto,** Berlin. Colors. 552
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388. Steiner, S., Fuerstenfeldbruck, ne Munich. Gothic altar with carved statu 5
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392. Vogt, Leonard, Memmingen. Goth altar of oakwood. 5
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591. Hempel, N., Reichenbach, i-V. Wool and silk goods. 644
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604. Kreutziger & Heuke, Leutersdorf. Cotton and half wool textures. 644
605. Langer, Gotthief, Reichenbrand.
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644. Gulden, Heindrich, Chemnitz. All kinds of gloves. 657
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   b Embroideries. 665
694. Donhauer, Ludwig, Neuenburg vorm Wald. Artificial flowers. 666
695. Eckhardt, Albert, Berlin. Silk fans 667
696. Eichhorn, C.R., Plauen i-V. Laces. 684
697. Franz & Ulrich, Plauen i-V. Curtains, etc. 664
698. Gardinenfabrik Plauen, Aktieogesellschaft, Plauen i-V. English lace curtains. 664
699. Gebhardt, Karl, Munich. Gobelin tapestries. 670
700. Glocckner, Marie, Dresden. Silk fans. 667
701. Gutman, K. & A., Munich.
   a Embroidery and needlework. 669
   b Gobelin tapestry. 670
702. Hacker, Bertha, Dresden. Fans mounted with pearl and ebony. 667
703. Heitsch, Clara, Dresden. Fan with oil painting. 667
704. Hempel & Schwerin, Berlin. Tapestry, etc. 67
705. Hermann, Paul, Dresden. Fans of swansdown. 667
706. Herold, Friedr., Schwabach, Bavaria Needles. 668
707. Hildebrandt, Fr. Wilh., Hosterwitz Silk fans. 667
708. Hirschberg, M., & Co., Eibenstock Embroideries. 665
709. Jahn, G. A., Plauen i-V. Hand and machine embroideries. 665
710. Kempe, Antoine, Munich. Gobelin tapestries. 670
711. Kgl., Muster, Kloeppelschule, Schneeberg-Saxony.
   a Laces. 664
   b Fans. 667
712. Klein, E. O., Dresden-Altstadt. Artifical feathers and flowers. 666
713. Klein & Klauder, Dessau. Crochet buttons. 668
714. Klemm & Steger, Plauen i-V. Embroidered laces. 665
715. Kretzschmar, Otto, Loschwitz. Silk fan. 667
716. Kropf, Louise, Munich. Embroidered articles. 669
717. Krueger, C., Berlin. Specimens of embroidery, etc. 669

Laces, Embroideries, Trimmings, Hair Work, Coiffures, Etc.

Exhibit No. — Class'n No.

18. Liebscher, Rob. W., Dresden, Saxony. Silk fans. 667
19. Lipmann, Rich., Plauen, Saxony. Silk fans. 667
20. Lossow, Mina, Frau, Munich. Gold and silver embroideries. 669
21. Ludwig, Max, Eibenstock. Tulle curtains, etc. 664
22. Mammen, F. A., & Co., Plauen i-V. Laces, curtains, etc. 664
23. Mebert, C., Rich., Dresden. Painted fans. 667
24. Mebert, Karl, Richard, Dresden. Gobelin tapestry. 670
25. Mohr, Josephine, Frau, Munich. Embroidered society banner. 669
26. Mueller, sen, Plauen i-V. Hand embroideries. 669
27. Mueller, Woldemar, Dresden. Painted fans. 667
28. Neubauer, Robert Nachf., Plauen-i-V. Laces of cotton, wool and silk. 664
29. Noack, Helene, Dresden. Painted fans. 667
30. Nobis, J. H. & Tissen, Aachen. Pyramid of needles. 668
31. Noether, Adolph, Dresden. Fans of swansdown. 667
32. Oschatz Adam sul, Sohn, Schoenheide.
    a Laces. 664
    b Embroideries in silk, beads, etc. 665
33. Osiander'sche Kunststickerei, Anstalt, Ravensburg. Artistic embroideries. 669
34. Pausch & Koch, Nuremberg. Passementerie. 668
35. Perty, Crescentia, Munich. Linen embroideries. 665
36. Preissler, Paul, Dresden. Painted fans. 667
37. Putz, Olga, Frau, Munich.
    a Laces. 664
    b Embroideries. 665
38. Rehm, Paul, Dresden. Silk fan. 667
39. Risler & Co., Freiburg i-B. Buttons and beads. 668
40. Ripberger, M. C., Dresden. Artistic embroidery. 669
41. Schels, Sophie, Munich. Embroideries. 669
42. Schiffmann, Max Theod., Munich. Embroideries. 665
43. Schindler, Gebr., Plauen i-V. Hadn and machine embroidery. 665
44. Schmidt, Max, Walth, Dresden. Silk fan. 667
45. Schneider, Rudolph, Schwarzenberg. Silk fan. 667

Exhibit No. — Class'n No.

746. Schrage & Roessing, Plauen i-V. Embroideries. 665
747. Schubart, Emil, Eibenstock. Embroidered trimmings. 665
748. Schudt, Joh. Ludwig, Leipsic. Gobelin tapestry. 670
749. Schwanemeyer, Carl, Tserlohn. Needles, knitting needles, safety pins, etc. 668
750. Siegel, Ludwig, Ulm-on-the-Danube. Linen embroideries. 665
751. Speierer, Otto, Buehl-Baden. Brides' wreaths, communion wreaths, etc. 666
752. Spring Steel M'f'g Co., Cassel. Corset steels. 668
753. Stirl, Walther, Loschwitz. Fans of swansdown. 667
754. Stoeffler, Wilh., Pforsheim. Fans. 667
755. Thiemt, A., Hellendorf. All kinds of of fastenings for gloves and shoes. 668
756. Troeger & Co., Plauen i-V. Open work embroidery. 665
757. Van Hees, G. A., Munich. Gobelin tapestry. 670
758. Voigt, Georg Martin, Dresden. Silk fans. 667
759. Von Kessel-Zeutzsch, Raake. Gauze and silk fans. 667
760. Weihrauch, Fraulein Louise, Munich. Embroidered covers. 665
761. Weindler, Wilh., & Co., Plauen i-V. Silk and cotton laces. 664
762. Weishaupt, Frau Henriette, Munich i-V. Linen embroideries. 665
763. Wuensche, F. Aug., & Co., Laeban. Buttons. 668
764. Zimmermann, Frau, Munich. Pin cushion. 668

GROUP 107.

765. Blaesker, Max, Berlin. Hair Ornaments. 672
766. Flemming, Ed., & Co., Schoenheide, Saxony. Brushes of all kinds. 675
767. Florheim, F., & Sohn, Apolda near Leipsic. Tied tufts of hair. 673
768. Fuchs, Joh. Wolfy, Nuremberg. Wire brushes. 675
769. Kraenslein, Emil, Erlangen. Brushes. 675
770. Kronk, Friedrich, Pforsheim. Hair ornaments. 672
771. Mahr, Gebr., Naumberg-on-the-Saale. Combs and brushes. 675
772. Pensberger & Co., Munich. Brushes. 675
773. Wagner, Y., Nuremberg. Combs. 675
774. Zerrenner, J., Pforsheim. Combs. 675

Traveling Equipments, Rubber Goods, Toys and Fancy Articles.

GROUP 108.

Exhibit No. — Class'n No.

775. Attenkofer, Paul, Munich. Albums, money boxes of leather and parchment. 680
776. Conrad, Oscar, Berlin. Cowhide traveling trunk. 679
777. Haack, Max Adolf, Leipsic. Leather goods. 680
778. Hahn, Kurd, Berlin. Military tent. 676
779. Hochstaedter & Bergmann, Frankfort-on-the-Main. Decorated leather goods. 680
780. Huesmert & Co., Wald Rhineland. Satchel straps, plaid holders, etc. 677
781. Hulbe, Georg, Berlin and Hamburg. Leather articles. 680
782. Hulbe, Georg, Hamburg. Leather goods. 680
783. Kretschmar, Wilh., Karlsruhl. Embroidered parasol. 682
784. Ludwig & Co., Coburg. Bamboo and cane trunk. 679
785. Ruenig, Ludwig & Co., Coburg. Trunk. 679
786. Sonnenthel & Kloppke, Berlin. Albums and leather goods. 680
787. Stoeffler, Wilh., Pforsheim. Purses, etc. 680
788. Stromeyer & Co., Konstanz. Military tent. 676
789. Weinzierl, Franz Xavier, Munich. Artistic Gothic chest, etc. 680

GROUP 109.

790. Bender, Paul, i. F. A. Bender, Halle-on-the-Saale. Elastic and waterproof shoes. 683
791. M. Helaher, Ad., Duesseldorf. Celluloid.
792. Papierfabrik Sondern, Sondern i-W. Celluloid.
793. Metzeler & Co,, Munich. Balls for atomizers. 686
794. Peinn, Phil., Leipsic-Plagwitz. Surgical articles, etc., of rubber. 687
795. Ploehn, R., Radellbuel-Dresden. Rubber goods, etc. 687
796. Sachs, Conrad, Eppstein i-Tanus. Celluloid powder boxes. 686
797. Schwanitz, Carl, Berlin. Fire hose, belting, etc. 689
798. Steinbach & Co., Malmedy-Prussia. Celluloid.
799. Wickel, H., Halle-on-the-Saale. Celluloid massage articles, etc. 687

GROUP 110.

Exhibit No. — Class'n No.

800. Alt & Koch, Ohrdrufi-Th. Toys. 693
801. Arnold, M. Oscar, Neustadt near Koburg. Dolls, etc. 693
802. Baum, G., & Co., Berlin. Photograph albums. 695
803. Bayerisches, Gerverbemuseum, Nuremberg. Nuremburg toys. 693
804. Alt, Beck & Gottschalk, Nauendorf i-Th. Toys and dolls. 693
805. Betzler, Daniel, Aalen-Wurtemberg. Artistic case. 695
806. Brahme, J. R., Nieder-Schoenhausen. House mottoes. 695
807. Braun & Schneider, Munich. Munich toy pictures. 693
808. Craemer & Héeron, Sonneberg. Dolls and toys. 693
809. Dammhorn, Max, Nuremburg. Musical and other toys. 693
810. Dressel, Cuno & Otto, Nuremberg. Dolls, toys, etc. 693
811. Dressel, Wihl., Nuremberg. Dolls and toys. 693
812. Fleischmann A. & Craemer, Nuremberg. Toys, dolls, etc. 693
813. Fleischmann, Ed & Soehne, Sonneberg. Dolls and toys. 693
814. Fleischmann, Gebr., Sonneberg. Dolls and toys. 693
815. Gerlach, F. W., Naumburg a-S. Toys of tin. 693
816. Geyer, Carl & Co., Sonneberg. Dolls. 693
817. Greiner, Otto, Poerswick, Saxony, Meiningen. Artistic casket. 695
818. Gripmann, Karl, Mannheim. Carved money chest. 695
819. Gutgesell, Max, Gotha. Toys. 693
820. Haack, Max, Adolf, Leipsic. Magic apparatus, etc. 693
821. Handwerck, Heinrich, Waltershausen i-Th. Jointed dolls. 693
822. Harrass, B., Boehlen i-Th. and Berlin. Wooden toys, etc. 693
823. Heinrich, Gebr., Fuerth. Toy figures. 693
824. Hess, Math., Nuremberg. Toys of tin. 693
825. Himmelreich, Joh., Munich. Artistic case. 695
826. Hochmeister, Hermann, Sonneberg. Dolls and toys. 693
827. Hoffmann, August, Hanau. Jewel cases. 695
828. Horn, Heinrich, Sonneberg. Dolls. 693

Toys, Fancy Articles, Leather, Scales.

hibit No. Class'n No.

9. Kaemmer & Reinhardt, Waltershausen i-Th. Dolls and toys. 693
0. Kauzmann, Gebr., Geislingen a-H. Toys. 693
1. Kestner, T. D., jun., Waltershausen i-Th. Dolls. 693
2. Krauth, Daniel, sen., Munich. Artistic case of walnut wood. 695
3. Lindner, Louis, & Soehne, Sonneberg. Dolls and toys. 693
4. Lindner, Joh. Chr., Sonneberg. Toys, ornaments for dolls, etc. 693
5. Luge, A., & Co., Sonneberg. Dolls and toys. 693
6. Luge, Ferdinand, Sonneberg. Dolls, toys, etc. 693
7. Peter, L. J., Mannheim. Two artistic cases. 695
8. Pilz, W. K., Freiberg, Saxony. Ornaments for Christmas trees. 693
9. Plank, Ernst, Nuremberg. Optical and mechanical toys. 693
0. Porsellanfabrik Limbach, Limbach, near Sonneberg. Dolls and toys. 693
1. Reutlinger, M., & Co., Karlsruhe. Two artistic cases. 695
2. Riesemann, Seb., Munich. Artistic case. 695
3. Rueckert & Co., Steinach. Dolls and toys. 693
4. Samhammer, Philipp, Sonneberg. Dolls and doll bodies. 693
5. Schaupp, Bernh., Karlsruhe. Jewel box. 695
6. Schilling, F. M., Sonneberg. Dolls and dolls' heads. 693
7. Schillitz, Carl, Frankfort-on-the-Main. Electrical toys. 693
8. Schmidt, Oscar, Sonneberg. Dolls' toys. 693
9. Schoenner, Jean, Nuremberg. Mechanical and optical toys. 693
0. Schuetzmeister & Quendt, Gotha. Dolls and dolls' heads. 693
1. Siegfried, A., Guestrow i-Mecklenburg. Two carved cases. 695
2. Thaeter, Jean, Nuremburg. Optical and mechanical toys. 693
3. Treuter, Oscar, Sonneberg. Dolls. 693
4. Wiesenthal, Schindel & Kallenberg, Waltershausen i-Th. Dolls and toys. 693
5. Wittzack, Emil, Gotha. Dolls and toys. 693

GROUP 111.

6. Berger, Heinrich, Ostritz-Saxony. Lacquered cow and horse hides. 699
7. Bruederlein, Emil, Poessneck. Lacquered cow, sheep and calf leather. 699

Exhibit No. Class'n No.

858. Bruening, H. W., Neumuenster-Holstein. Horse leather. 700
859. Caprano, Heinrich, Charlottenberg.
 a Sheep skins. 697
 b Curried goat skins. 698
860. Cohn, L., Johanngeorgenstadt-Saxony. Tanned and dyed leather. 697
861. Fischer, F., & Co., Offenburg-Baden. Hair calf skins. 696
862. Gehrkens, C. Otto, Hamburg. Leather belting. 704
863. Glacéledерfabrik Muehlburg, vorm R. Ellstaetter, Muehlburg. Glove leather. 702
864. Hannke, Friedr., jun., Berlin. Leather belting. 704
865. Hartwig, Gebrueder, Offenbach-on-the-Main. Leather decorations. 705
866. Heilbrunn, K. Soehne, Berlin. Drum and banjo skins, parchment. 703
867. Heil, J., Wandsbek near Hamburg.
 a Leather for saddles. 697
 b Leather for purses. 699
868. Jacobsen, Adolph, Berlin. Horse leather. 697
869. Niedersheinische Aktiengesellschaft fuer Lederfabrikation, vorm Z. Spier, Vickrath-Rhine-Province. Dyed and split leather. 697
870. Perlinger, August, Fuerth-Bavaria. Leather. 697
871. Schmidt, F. L., Eckernfoerde. Curried horse leather. 698
872. Simon, Wilh., Kirn-on-the-Nahe. Leather. 697
873. Voelker, Julius, Eisenberg-Saxony, Alkenburg. Horse leather. 697
874. Waeldin, Huber, Lahr-Baden. Colored and black morocco. 699
875. Weithase, R., & Co., Poessneck. Lacquered sheep skins. 697
876. Wildbrett, Carl, Augsburg. Parchment. 703
877. Wuelknitz, Louis, Kirchheim. Nieder-Lausitz. Sheep skin. 696
878. Zach, Georg, Weichs, near Regensburg. Split cow-hide in natural color. 697
879. Zix, Louis, & Soehne, Nachf von Rich & Aug. Korn, Saarbruecken.
 a Tanned leather. 697
 b Leather belting. 704

GROUP 112.

880. Betting, C. F., Wahlheiden, near Cassel. Two chemical scales (for analysis). 709
881. Herzberg, A. T., & Kuhlmann, W. vorm, Paul Runge, Hamburg.
 a Commercial scales. 706
 b Chemists' scales. 709

Exhibit No. — Class'n No.

882. Kloenne, Aug., Dortmund. Gasometer model, etc. 711
883. Lux, Friedr., Ludwigshafen-on-the Rhine. Regulators. 711
884. Schenk, Carl, Darmstadt. Automatic impression scale. 706

GROUP 113.

885. Distrikt Schnitz und Zeichenschrule, Partenkirchen. Carved gunholder. 718
886. Eisenwerk, Gaggenau, Aktiengesellschaft, Gaggenau, Baden. 714
887. Ehui, Geo., Stuttgart. Sword. 717
888. Krupp, Friedr., Essen. Ordnance and projectiles. 716
889. Polte Armaturenfabrik, Magdeburg-Sudenburg. Cartridge shells for ordnance. 714
890. Ratti, Aug., Sierenz-Alsace. Gun stocks. 714

GROUP 114.

891. Aktiengesellschaft fuer Fabrikation von Bronzewaaren & Zinkguss, Berlin.
   a Lamps. 719
   b Chandelier, etc. 721
892. Distrikt, Schnits & Zeichenschule, Partenkirschen. Carved lustres. 721
893. Eisenwerke, Gaggenau, Aktiengesellschaft, Gaggenau-Baden. Gas fixtures. 721
894. Jacoby, Eduard, Berlin. Illuminating fixtures. 721
895. Kirsch, Reinhold, Munich.
   a Lantern. 720
   b Lustre. 721
896. Krohne, Emil, Berlin. Chandelier. 719
897. Landsberg & Ollendorf, Frankfort-on-the-Main. Fireproof lamp chimneys. 712
898. Neumayer, Theodor, Munich. Aluminum reflectors. 720
899. Rakenius, Karl & Co., Berlin. Lamps. 719
900. Roeckert, Carl, Dessau. Candelabra, etc. 721
901. Schmodt, Robert & Co., Munich.
   a Lamps. 719
   b Chandeliers. 721
902. Seifert, K. M., Dresden-Wurzen. Chandeliers, etc. 721
903. Steger, Karl, Munich. Carved chandeliers. 721
904. Stoettner, Jean, Nuremberg. Lustre. 721
905. Von Schwarz, T., Nuremberg. Steatite burner. 719
906. Weber, Adam & Co., Nuremberg. Steatite gas burners. 721

Exhibit No — Class'n No.

907. Westphal, Gustav, Berlin. Lantern 72
908. Wild & Wessel, Berlin. Artisti lamps. 71

GROUP 115.

909. Barth, Conrad & Co., Munich. Fir place. 72
910. Becker & Ulmann, Berlin. Hot wate apparatus. 72
911. Grove, David, Berlin. Movable oven 72
912. Herzberg & Co., Cologne. Alcoho gas stoves. 72
913. Koerting, Bros., Koertingshof, Han over. Models and drawings of radiators 72
914. Kohn, Elias, Wasserbruedinger Bavaria. Tile stove. 72
915. Koloseus, H., Aschaffenburg. Iron enamel, porcelain and majolica ranges. 72
916. Landsberg & Ollendorf, Frankfort-on the-Main. Mica for stoves. 72
917. Lang, C. W., Nuremberg. Forge iron ranges. 72
918. Menne, Josef, Munderkingten a-D Brushes, brooms, etc. 78
919. Puck & Co., Hamburg. Cloth rack 78
920. Schmidt, Theobald, Berlin. House hold implements. 78
921. Schoenner, Jean, Nuremberg. House hold goods of twisted brass, copper, et 78
922. Werner & Pfleiderer, Cannstad Steam oven. 72
923. Wessely, A. H., Hamburg. Fir place, chimney stoves. 72

GROUP 116.

924. Bing, Gebrueder, Nuremberg. Tin ware. 78
925. Creutz, N., Aachen. Cast hollowwar 78
926. Lichtinger, Joseph, Munich. Pewte ware. 78
927. Lichtinger, L., Munich. Tinware. 78
928. Naglo, Gebr, Berlin. Sign and drav ings. 78
929. Oberschlesische Eisenindustrie, Akt Gesellschaft fuer Bergbau und Huettenb trieb, Gleiwitz. Enameled and tinne ware. 78
930. Schreiner, Anton, Mabburg, Bavari Artistic tinware. 78
931. Thiel, Carl, & Soehne, Luebeck. E ameled and tinned ware. 78
932. Wuppermann & Co., Amberg, Bavari Stamped and enameled tinware. 78

Wire Goods, Wrought Iron Exhibits, Hardware, Miscellaneous.

GROUP 117.

Exhibit No. — Class'n No.

33. Speiser & Co., Nuremberg. Wire goods.

GROUP 118.

34. Armbruester, Gebrueder, Frankfort-on-the-Main.
    a Artistic forgings. 743
    b Forged iron portal. 744
35. Arnstein & Martin, Berlin. Horse-shoes, etc. 746
36. Blume, R., Berlin.
    a Artistic forgings. 743
    b Metal ornaments. 744
37. Brechenmacher, Franz, Frankfort-on-the-Main. Forged park gates. 743
38. Buehler, F.& Sohn, Offenburg i-Baden. Modern forge work. 743
39. Eisenwerk, Joly, Wittenberg, Wittenberg. Stairway of forged iron. 745
40. Gute Hoffnungshuette, Oberhausen. Iron construction for Krupp's Pavilion. 745
41. Hammerau, Val., Frankfort-on-the-Main. Ornaments for gates and railings. 744
42. Kayser, Ferd., Leipsic. Forged iron tables and flower basket. 743
43. Kirsch, Reinhold, Munich. Railing, etc. 743
44. Koeckert, Carl, Dessau. Artistic forgings. 743
45. Koelbe, Peter, Sohn, Munich. Artistic forgings. 743
46. Kronklauer, Jos., Munich. Forged iron door knobs, etc. 743
47. Liebig, Peter, Munich. Forged railings. 743
48. Mannstaedt, L., & Co., Kalk, near Cologne. Railings of fancy iron. 743
49. Puls, Ed., Berlin. Artistic forgings, etc. 743
50. Rheinisches Kunstschmiedewerk, Gebr. Lipgens, Dusseldorf. Balcony and stairway railing. 743
51. Schmidt, Robert, & Co., Munich. Forged iron hinges, tea-stand. 743
52. Stumpf, Gottfried, Munich. Artistic forgings. 743
53. Iron Works "Gaggenau," Gaggenau-Baden. Signs for Krupp's pavilion. 744
54. Iron Works, Lauchhammer. Busts, relievo portraits, ornaments, etc. 744

Exhibit No. — Class'n No.

955. Weis, Carl, Kaiserslautern. Artistic forgings. 743

GROUP 119.

956. Bahr, A. Nachf, Lichtenstein-Saxony, Paper file holders. 750
957. Brahm, Friedrich, Fuerth. Metal ornaments. 747
958. Eberle, J. N., & Co., Augsburg. Saws, files, etc. 750
959. Goetz & Co., Stuttgart. Money boxes, safes, vaults. 752
960. Henckels, J. A., Solingen, Germany. Cutlery. 749

Henckels is the largest cutlery manufacturer not only in Germany but on the European continent; his goods are considered the best that are made in this line; his trade mark, "The Twins," has been in possession of the Henckels family since 1731. Graef & Schmidt, New York, sole agents for U. S.

961. Hessenbruch & Co., Ronsdorf. Razors. 751
962. Meyer, Focke & Co., Radeberg, Saxony. Patent files. 750
963. Ostertag, J., Aalen, Wurtemberg. Vaults with appurtenances. 752
964. Schillitz, Karl, Frankfort-on-the-Main. Artisans' tools, etc. 752
965. Schubert & Werth, Berlin. Safety locks. 747
966. Spring Steel M'f'g Co., Cassel. Ligament saws. 750
967. Wellmann, Altona. Knives. 751
968. Werner, Adolf Fr., Schmalkalden. Tongues. 747
969. Zettner, Gebr., Amberg, Bavaria. Rasps and files. 750

GROUP 121.

970. Lahmann, E. G., & Co., Leipsic, Gohlis. Billiard markers.
971. Osiander'sche Kunstostrekerei Anstalt, Ravensburg. Flags.
972. Schleiffer, Friedr., Strassburg, Alsace. Billiards, billiard case and cue stand.
973. Schupp & Nierth, Dresden. Cigar boxes.
974. Sedlmayr, Robert, Munich. Tool case.
975. Werner, Frz. P., Munich. Flags.

GREAT BRITAIN.

LOCATION—SEC. B and SECS. C & D—1, 2, 3, 4.

Chemical and Pharmaceutical Products.—Druggists' Supplies.

GROUP 87.

Exhibit No. — Class'n No.

1. **Alexander, James, & Co., Ltd., London.** Soaps, cosmetics and perfumery. 549
2. **Allen, Stafford, & Sons, London.** Expressed and essential oils. 549
3. **Atkinson, J. & E., London.** Perfumery and toilet preparations. 549
4. **Bigg, Thomas, London.** Sheep-dipping compositions. 544
5. **Bishop, Alfred, & Sons, Ltd., London.** Effervescent preparations. 547
6. **Bryant & May, Limited, London.** Veta matches, wax tapers and braided lights. 550
7. **Brunner, Mond & Co., Ltd., Norwich.** Pure alkali; soda; ammonia; bleaching powder. 544
8. **Burroughs, Wellcome & Co., London,**
   a Pharmaceutical preparations. 547
   b Medicine Chests and Cases. 548

One of the medicine chests supplied to Mr. H. M. Stanley's expedition through darkest Africa, fitted complete with "Tabloids" of compressed drugs, Quinine, Cascara, Livingstone's rousers, Peptonic, etc., sent back as a souvenir of the expedition. Hazeline, a distillate of the Hamamelis Virginica or witch hazel. Hazeline cream, an ointment prepared with "Lanoline." Hypodermic "tabloids" in pocket cases. Inhalers, etc. New York office, 347 Fifth Ave.

9. **Calvert, F. C., & Co., Manchester.**
   a Carbolic acid; sanitary and pharmaceutical preparations. 547
   b Soaps and toilet preparations. 549
10. **Christy, Thomas, & Co., London.** Cachets and closing apparatus, etc. 547

Agents, J. M. Grosvenor & Co., Boston. Christia, a substitute for oiled silk. Agent, J. A. Kimball, Boston.

11. **Crown Perfumery Company, London.** Perfumery and toilet requisites. 549
16. **Gosnell, J., & Co., London.** Toilet powder and soap, tooth paste and perfumery. 549
19. **Jackson, Thomas, Manchester.** Cachoux. 549

For perfuming the breath.

Exhibit No. — Class'n No.

20. **Lever Bros., Ltd., Port Sunligh** Soaps and glycerine. 54
21. **Mouilla Potash Liquid Soap Company** Ltd., London. Toilet soap. 54
22. **Ness & Company, Darlington.**
    a Disinfecting fluids. 54
    b Disinfecting powders and soaps. 54

"Thymo-cresol" preparations. (3 gold medals.) U. S. agents, Lawford Bros., Baltimor

23. **Newball & Mason, Nottingham.**
    a Dried herbs. 54
    b Beer extracts.
24. **Oppenheimer, Son & Co., Ltd., Lon** don. Pharmaceutical preparations. 54
25. **Pain, James, & Sons, London.** Fire works, ship signals and illuminations. 55
26. **Patent Borax Company, Ladywood** Birmingham. Washing, cleaning an purifying preparations. 54

Including "Californian" specially refine and prepared borax, patent granular bora pure borax in crystal and powder, bora starch glaze, and borax dry soap and soa extract, with boraxaline bath soap powde toilet soaps, tooth and toilet powders, an other toilet preparations.

27. **Pears, A. & F., Ltd., London.** Toile soap. 54
28. **Quibell Bros., Newark-on-Trent.**
    a Sheep-dips and disinfectants. 54
    b Soaps. 54
29. **Ransom, W., & Son, London.**
    a Dried herbs. 54
    b Pharmaceutical extracts, essentia oils, etc. 54
30. **Smith, T. & H., & Co., London** Chemical products of a pharmaceutica nature. 54
31. **Sprules, Sarah, Wallington.** Essen tial oils, lavender water, essences and per fumes. 54
32. **Stevenson & Howell, London.** Es sential oils, essences and perfumes. 54
33. **United Alkali Company, Ltd., Liver** pool. Bleaching powder, salts, ammonia etc. 54
34. **Usher, Richard, Banbury.** Medicina herbs and pharmaceutical extracts. 54

Paints, Varnishes, Stationery, Interior Decoration, Ceramics and Mosaics.

GROUP 88.

Exhibit No. — Class'n No.

6. **Arnold, P. & J., London. Ink.** 552
7. **Berger & Sons, Ltd., Lewis, London.** Dry colors, oil and spirit varnishes. 552
8. **Dales, John T., London. Dublin.** 552
9. **Day & Martin, London. Boot and** harness blacking, furniture polish, etc. 552
0. **Duckett, J. B., & Co., Heeley. Writ-**ing inks and powders. 552
1. **Harrison & Son, Hanley. Colors,** glazes and enamels. 552
3. **Madderton & Co., Loughton. Colors** and artists' materials. 555
4. **McCaw, Stevenson & Orr, Belfast,** Ireland. Substitute for stained glass. 554
8. **Winsor & Newton, Ltd., London.**
   a Printing inks. 552
   b Artists' colors and materials. 555

GROUP 89.

9. **Arnold, P. & J., London. Mucilage** and sealing wax. 564
0. **Cleghorn, William, Jr., Dundee, Scot-**land.
   a Paper stock. 556
   b Felts. 557
1. **Cotterell Bros., Bristol. Art paper** hangings and decorative materials. 563
2. **Ford, T. B., Loudwater. Blotting** paper and raw materials. 560

Ford's gold medal blotting paper obtained highest awards in various countries after ests of climate. Unsolicited testimonials rom all parts of the world. Noted for ab-orbency, soft velvety finish, durability. Every sheet water marked "Ford—428 Mills." Well adapted for exportation.

4. **Gillott, Joseph, & Sons, Birmingham.** Pens. 564
6. **Jeffrey & Co., London. Wall papers** and decorations. 563
7. **Knowles, Chas., & Co., London. Wall** and ceiling papers. 563
8. **Maskelyne, J. N., & Son, London.** Typewriters. 564
1. **Woollams, Wm., & Co., London. Wall** and ceiling papers. 563

Original makers of "Artistic wall papers" guaranteed free from arsenic. All kinds of wall and ceiling papers of finest qualities, block-printed. "Chameleon flock" papers. Real leather embossed in continuous engths.

GROUP 90.

2. **Arup Bros., London. Interior decora-**tions. 572
3. **Burroughs & Watts, Ltd., London.** Billiard table. 566

Exhibit No. — Class'n No.

64. **Collinson & Lock, London. Dining** and bedroom hangings and furniture. 572
65. **Davis, W. H., & Co., Birmingham.** Brass and iron bedsteads. 567
67. **Gregory & Co., London. Sideboard,** table, chairs, settee and decorations. 567
68. **Hampton & Sons, London. Repro-**duction in carved oak, of the banqueting hall of Hatfield House, the seat of the Marquis of Salisbury. 572

Specialists in the decorative treatment of interiors. Furniture manufacturers. See new book of designs. Dealers in art objects and antiques. Exhibit and antique appointments for sale. Correspondence invited.

69. **Hoskins & Sewell, Birmingham. Me-**tallic bedsteads. 567
70. **Johnstone, Norman & Co., London.**
   a Dining table. 566
   b Carved panels. 571
71. **London Fabric Printing Company,** London. Printed reloets and cretonnes. 568
72. **Macbeth, Isaac, Wirksworth. Fur-**niture. 567
73. **Peyton & Peyton, Birmingham. Brass** and iron bedsteads. 567
74. **Roberts, Geo., Sheffield. Furniture.** 567
75. **Winfields, Ltd., Birmingham. Brass** bedsteads, cot and lectern. 567
76. **Wright, Geo., & Co., London. Billiard** table and fittings. 566

GROUP 91.

77. **Ault, William, Burton-on-Trent. Ar-**tistic pottery. 575
78. **Brown-Westhead, Moore & Co., T. C.** Cauldon Place. China and earthenware. 576

Pitkin & Brooks, representatives, China Merchants, State and Lake St., Chicago.

79. **Coalport China Company, Ltd., Coal-**port. China. 576
80. **Daniell, A. B., & Sons, London.**
   a Porcelain, pâte-sur-pâte, etc. 577
   b Earthenware, stone-china, etc. 577
81. **Doulton & Co., London.**
   a Stoneware and ceramic wall decora-tions, Doulton ware. 575
   b China and earthenware. 576

81a. **Elton, Sir Edmund Harry, Bart.,** Clevedon. Elton ware. 576
82. **Gibson & Sons, Burslem. Rocking-**ham ware. 576
83. **Godwin & Hewitt, Hereford. Tiles.** 578
84. **Grainger, George, & Co., Worcester.** Porcelain and other wares. 577

Exhibit No. — Class'n No.

85. **Irish Portland Cement & Brick Co.,** Ltd., Dublin. Earthenware. Dept. E 576

86. **Maw & Co., Ltd., Jackfield. Tiles,** mosaics and architectural faience pottery. 578

88. **Moore Bros., Longton. China ware** and pâte-sur-pâte decorations. 576

89. **Peake, Thomas, Tunstall. Bricks and** tiles. 578

90. **Worcester Royal Porcelain Company,** Ltd., Worcester.
   a Tea, breakfast and dessert services in china. 576
   b Porcelain articles. 577

GROUP 92.

91. **Gounella & Co., J. Dundee. Statues** and busts. 581

92. **O'Neill, P. J., & Co., Dublin. Font of** Irish marble, statue of the Redeemer, Celtic cross in Donegal sandstone. Dept. E 581

93. **Pettigrue, Thomas, Navan. Celtic** cross, monuments and pedestals. Dept. E 581

GROUP 94.

96. **Cannington, Shaw & Co., St. Helens.** Glass bottles. 590

GROUP 95.

98. **Hardman & Co., London. Pictorial** paintings on glass, ecclesiastical art. (Window) 597

99. **Holiday, Henry, London. Stained** glass window representing the Nativity, with the adoration of the magi and shepherds and the choir of angels. 597

100. **Pace, Ion, London. Stained glass** windows and designs. 596

101. **Winfields, Ltd., London.**
   a Screen of stained glass, domestic and civic stained glass. 596
   b Ecclesiastical stained glass windows. 597

GROUP 96.

102. **Hems, Harry & Sons, Exeter. Carved** church furniture and photographs illustrative of carved work. 598

GROUP 97.

103. **Gibson & Co., Ltd., Belfast. Plate.** 605

104. **Goldsmiths & Silversmiths Co., Lon-**don.
   a Sterling silver dessert and toilet service, tea and coffee services and trays. 605
   b Cutlery. 606
   c Dressing and traveling bags. 607
   d Electro-plate. 609

The Company's plate and cutlery is the finest in the world for clubs, hotels and private use. The public supplied direct at manufacturers' cash prices, saving purchasers 25 to 50 per cent.

105. **Arhgill & Company, Birmingham** Plated goods. 60

106. **Mappin Brothers, London.**
   a Louis Seize toilet service, presentation and testimonial pieces, salts and perfume bottles. 60

In this class are shown the fine gold and jeweled casket presented by the city of London to H. I. M. the Emperor of Germany and the famous "Waterloo Cup," both specially modeled by this firm. Mappin Brothers' art productions in gold and silver have no equal in the world. Designs and estimates free.

   b Cutlery, fish sets, dessert sets, etc 60

Mappin Brothers have a reputation of over 80 years for the superiority of their cutlery Finest in the world. Price list free on application. Show rooms 220 Regent St. and 6 Cheapside, London.

   c Dressing and traveling bags for ladies and gentlemen. 60

Mappin Brothers' completely fitted bags are renowned throughout the world. Catalogues free.

   d Electro-plated dishes, tea and coffee services, claret jugs, etc. 60

Mappin Brothers' "Queens" plate for fineness of finish and hard wear is unsurpassed Supplied direct to the public by the actual manufacturers.

107. **Wells, John, London. Silver plate** and historical articles. 60

508 Oxford street. Old English, Irish and Scotch plate, and historical articles.

GROUP 98.

108. **Diamond Cutting Company, London** Diamonds. 61

109. **Goldsmiths & Silversmiths Co., Lon-**don. Diamonds and gem ornaments. 61

The display of superb ornaments set with rare gems shown in the Company's London show rooms is the most magnificent in Europe. The moderate prices combined with admirable taste and high quality defy competition. Show rooms 112 Regent St. London

110. **Johnson, Edmond, Dublin. Irish** jewelry and ornaments. 614

Watches, Clocks, Silks, Fibres, Cotton Goods, Woolen Goods.

GROUP 99.

xhibit No. — Class'n No.

13. **Goldsmiths' & Silversmiths' Co., London.**
    a English levers, repeaters and chronometers. 617
    b Clocks. 621

'he Company's watches and clocks are the est time keepers in the world.

14. **Smith, John, & Sons, London.**
    a Watches. 617
    b Clocks and time bells. 621

GROUP 100.

18. **Collinson & Lock, London.**
    a Gold and silver tissues. 628
    b Silks, damasks, brocades and brocatelles. 629
    c Velvets and embroideries. 630

19. **Courtauld, Samuel, & Co., Ltd., London.** Silk crapes, silk gauzes, silk fabrics and costumes of same. 630

21. **Grant, W. H., & Co., Coventry.**
    a Raw silks. 625
    b Dyed silks. 626
    c Suspenders, garters and handkerchiefs. 630
    d Silk trimmings. 632

22. **Grout & Co., London. Silk crapes,** crepons, mousseline de soie, grenadines, etc. 630

23. **Hinde, Francis, & Sons, London.** Silk crapes. 630

'or mourning, ordinary and waterproof fin-h. New York depot, W. Openhym & Sons, 2–50 Greene St.; Paris, 42 Rue de Clery.

24. **Neilson, Shaw & MacGregor, Glasgow, Scotland.** Tartan silks and velvets, scarfs, etc. 628

pecialties: Scottish clan tartans, tweeds, nawls, plaids, rugs, etc.

GROUP 101.

27. **Barry, Ostlere & Co., Ltd., Kirkcaldy, Scotland.** Oil cloths, sanitary linoleums and cork carpets. 636

28. **Cleghorn, William, Jr., Dundee, Scotland.** Jute cloth and yarns. 633

GROUP 102.

29. **Barbour, William, & Sons, Ltd., Lisburn, Ireland.** Linen and flax threads. 639

30. **Barlow & Jones, Ltd., Manchester.** Cotton fabrics. 638

31. **Bartrum, Harvey & Co., London.**
    a Cotton goods. 638
    b Linen goods. 639

Exhibit No. — Class'n No.

132. **Behrens, Jacob, & Sons, Manchester.** Cotton yarns. 638

133. **Brookfield Linen Company, Ltd.,** Belfast. Linen fabrics. 639

And 98 and 100 Franklin Street, New York.

134. **Brown, John S., & Sons, Belfast.**
    a Sheetings. 638
    b Household linen and handkerchiefs. 639

135. **Brown, John, & Son, Glasgow. Muslins.** 638

136. **Cash, J. & J., Coventry. Bath towels and gloves.** 638

137. **Crippin, William & Young, George,** Manchester. Cotton yarn. 638

138. **Fenton, Connor & Co., Belfast.**
    a Cotton fabrics. 638
    b Linen fabrics. 639

139. **Ferguson Bros., Carlisle. Cotton** linings and shirtings. 638

High class tailors' & dressmakers' linings & silesias, shirtings, etc. Gold medals, Sydney, '79, Melbourne, '81, Calcutta, '84. Highest awards, Phil., '76, Paris, '78. Adelaide, '87. U. S. agt. Wm. F. Read, Phila.

140. **Finlayson, Bousfield & Co., Johnstone, Scotland.** Linen threads and twines. 639

141. **Fox, Charles, & Co., London.**
    a Sheetings. 638
    b Damasks, toweling, huckabacks, glass cloths, etc. 639

142. **King, John, & Son, Glasgow. Scotch** window Hollands. 639

143. **Liddell, William, & Co., London.** Linen damasks, table cloths, napkins, towels, sheetings and shirtings. 639

144. **Matier, Henry, & Co., Belfast, Ireland.** Handkerchiefs, napkins and linen damask. 639

145. **Old Bleach Linen Company, Randalstown.** Towels, damasks and other linens. 639

146. **Richardson, J. N., Sons, & Owden,** Ltd., Belfast. Linen, sheetings, handkerchiefs, toweling, etc. 639

147. **Robertson, Ledlie, Ferguson & Co.,** Ltd., Belfast. Table damask. 639

148. **Swainson, Birley & Co., London.** Cotton dress goods and sheetings. 638

149. **Turnbull & Stockdale, Manchester.** Cretonnes and velveteens. 638

150. **Apperley, Curtis & Co., Stroud.**
    a Woolen goods. 641
    b Coatings, cassimeres, cheviots and serges. 643

151. **Athlone Woolen Mills Company, Athlone, Ireland.** Worsted goods. 643

Woven and Felted Goods of Wool and Mixtures of Wool, Clothing and Costumes.

GROUP 103.

Exhibit No. — Class'n No.

152. **Bartrum, Harvey & Co., London.**
 a Woolen goods. 641
 b Worsted goods. 643

154. **Bontor, Thomas, & Co., London.** Carpets, parqueterie. 649

156. **Carr, Isaac, & Co., Bath.**
 a Woolen cloths. 641
 b Worsted cloths. 643

Manufacturers of West of England patent beavers, meltons, elysians, furs, sables, Venetians, Viennas; also Covert coatings of special quality and design.

158. **Crippin, William, & Young, George,** Manchester. Woolen yarns. 640

159. **Dormeuil Freres, London. Woolens** and linings. 641

160. **Fison, William, & Co., Burley-in-**Wharfdale.
 a Shawls. 642
 b Wool serges and coatings. 643
 c Cheviots. 644

160a. **Henderson, J. Graham, Hawick., N.B.** Tweeds. 644

161. **Hooper, Charles, & Co., Stonehouse.** Woolen goods for men's wear. 641

161a. **Hudson, Lykes & Bronsfeld. Leeds.** Woolen and worsted goods. 641

162. **Irish Woolen Manufacturing & Ex**port Co., Ltd., Dublin. Woolen goods. 641

163. **Macnaughton, A. & J., Pitlochry,** Scotland. Scotch tweeds and homespuns. 644

164. **Marling & Co., Ltd., Stroud.**
 a Woolen goods. 641
 b Worsted goods. 643

165. **Neilson, Shaw & Macgregor, Glas**gow, Scotland.
 a Clan tartan fabrics for men and women. 641
 b Tweeds, traveling plaids, rugs, etc. 642
 c Curtains, hearth rugs, carpets, etc. 649

166. **Pocock, T. P., & Co., Chippenham.** Worsted coatings. 643

167. **Priestley, B., & Co., Idle.**
 a Dress fabrics and cloakings. 641
 b Shawls. 642

169. **Smith, Turberville, & Son, London.** Axminster carpets. 649

171. **Thomson, William, & Sons, Ltd.,** Huddersfield.
 a Woolen cloths. 641
 b Worsted cloths. 643

172. **Ward & Taylor, Bradford-on-Avon.** Tweeds, trouserings, suitings, etc. 644

Exhibit No. — Class'n No.

173. **Yates & Co., Ltd., Wilton. Axmins**ter carpets. 649

Royal Carpet Factory. (Under charter granted by King William III, 1701.) One XVI century Persian design, 2,239,488 knots, each tied in by hand, size 9x12. One ancient Kurdistan design, 1,555,200 knots, size 9x12. Marshall Field & Co., exclusive Chicago agents.

GROUP 104.

174. **Cartwright & Warners, Ltd., Lough**borough. Gentlemen's, ladies' and children's underwear. 657

175. **Cooksey & Co., London. Hats.** 654

176. **Holden Bros., London. Boots and** shoes. 656

177. **Hummel, E. & H., & Co., London.**
 a Hosiery, etc. 657
 b Shirts. 658

178. **Irish Industries Association, London.** Hosiery and underclothing. 657

180. **Lincoln, Bennett & Co., London.** Hats and helmets. 654

Silk, felt and cloth hats and caps of every description. Hat manufacturers by special appointment to T. R. H. the Prince and Princess of Wales. First prize medal Philadelphia, 1876. Gold medals Paris, 1878 and 1889. Agents in America, T. W. Stemmler & Co., Union square, New York.

181. **Lewis, William, & Sons, London.**
 a Underwear, etc. 657
 b Cravats, shirts and collars. 658

Spun silk and bright silk underwear. Unshrinkable wool and silk and wool. Amritzer (Indian cashmere) underwear. Shirts in all materials, collars and cuffs. Dent's and Fownes' best English gloves. Rich silk scarfs, ties, handkerchiefs and neckwear. Best goods only. Lewis & Sons, London.

182. **Lobb, John, London. Boots and** shoes. 656

183. **Macqueen & Co., London. Hats and** helmets. 654

184. **Martin, F. J., & Co., London.** Gloves and clasps. 657

185. **Morley, W., & Gray, London. Gar**terless hose. 657

187. **Ormes, Upsdale & Co., London.** Gloves, mitts and gauntlets. 657

188. **Reily, Kate, London. Ladies' cos**tumes and court trains. 653

This court train is a copy of one made for a princess attending Queen Victoria's drawing room, and is the newest fashion for wedding gowns. Orders can be executed at the New York house, 277 Fifth avenue, N. Y., where also will be found the latest European models in mantles and dresses.

Clothing, Laces, Rubber Goods, Material of War, Hardware.

Exhibit No. — Class'n No.

189. Shingleton, William, London. Safety riding habit. 653

190. Smyth & Co., Ltd., London. Hosiery. 657

191. Walker, R., & Sons, Leicester. Woolen underclothing and hosiery. 657

GROUP 106.

192. Benton & Johnson, London. Gold and silver laces, etc. 664

193. Cash, J. & J., Coventry. Insertions and embroideries. 665

201a. Foot, T. & Son, London. Toilet accessories. 675

194. Harper, Thomas, Redditch. Needles and pins, surgeons' needles, etc. 668

197. Milward, Henry, & Sons, Ltd., Redditch. Needles. 668

The world-renowned Helix Needles and easy threading Calyx Needles. Four hundred million needles made yearly. 25 gold and other medals. Gold medal Paris, 1889. Sole agents for the United States, George A. Clark & Bro., New York, Phila., Boston, San Francisco, Chicago and St. Louis.

198. Muddiman, T. H. & J., London. Trimmings. 668

200. Peach, Samuel, & Sons, Nottingham. Nottingham lace curtains. 664

201. Turner, R., & Sons, Redditch. Pins, needles and hairpins; needle cases. 668

GROUP 107.

202. Hindes, Ltd., London. Brushes. 675

203. Stewart, S. R., & Co., Aberdeen. Combs. 675

GROUP 108.

204. Bryant, Robert, London. Gun cases, pouches, etc. 677

206. White, William, & Son, Glasgow. Tobacco pipes. 680

GROUP 109.

207. Anderson, Anderson & Anderson, London. Waterproofs. 683

208. Cravenette Company, Ltd., Bradford, Waterproof cloths. 692

209. Fison, William & Co., Burley-in-Wharfdale. Waterproof goods. 683

210. Zacharias, J., & Co., Oxford. Waterproof garments. 683

GROUP 113.

216. Eley Bros., Ltd., London. Ammunition. 714

217. Greener, W. W., Birmingham. Sporting guns. 718

Exhibit No. — Class'n No.

218. Joyce, F. & Co., Ltd., London. Ammunition. 714

219. Lancaster, Charles, London.
 a Military pistols. 714
 b Sporting rifles and guns. 718

151 New Bond St. and (manufactory) 2 Little Bruton St. Sporting hammer, hammerless and ejector guns for game, pigeon and duck shooting. Sporting rifles, military pistols. Awarded 46 first class prizes, medals and diplomas.

219a. Shultze Gunpowder Company, L'td, London. Snad Relers nitro powder. 714

220. Scott, W. & C., & Son, Birmingham. Sporting guns. 718

GROUP 114.

221. Clarke's Pyramid & Fairy Light Co., Ltd., London. Lamps and food warmers. 720

Clarke's gold medal "Pyramid" nine hour night lights should be burned in his nursery lamp food warmers; invaluable for infants and invalids. Used in the Royal nurseries.

GROUP 115.

223. Ewart & Son, London.
 a Gas controlling apparatus. 724
 b Bath and geyser. Dept. F 726

224. Steel & Garland, London. Fireplaces, grates, fenders and fireside requisites. 724

GROUP 119.

225a. Jahucke's Patent Metallic Manufactory, London. Patent metallic boxes, etc. 733

225b. Foster, A. & Son, London. Handmade steel tools. Dept. F. 721

226. Staniforth, Wm. Thos., Sheffield. Knives. 751

227. Tubular Lock Syndicate, Ltd., London. Locks. 747

228. Wostenholm, George, & Son, Ltd., Sheffield. Knives, table cutlery, razors and scissors. 751

Exhibits Classed in Other Departments but Installed in this.

DEPARTMENT D.

GROUP 39.

Fresh Water Fishing and Angling.

229. Milward, Henry & Sons, Ltd., Redditch. Fish hooks and fishing tackle. 266

One hundred million fish hooks made yearly.

230. Turner, R., & Sons, Redditch, Fish hooks. 266

SPAIN.

LOCATION—SECS. A-1-2, and B-2-3.

Druggists' Supplies, Paints, Colors, Varnishes, Paper, Stationery, Furniture.

GROUP 87.

Exhibit No. — Class'n No.

1. Alcober, Juan, Madrid. Pharmaceutical preparations. 547
2. Bachs, Hermanos, Badalona. Soaps. 549
3. Canalda, Foguet, Pablo, Tortosa. Elixir of hydro-iodide of hydrated tricloracetyle compound. 547
4. Casanovas y Ferran, Joaquin, Dos Hermanas. Orange flower water. 549
5. Cifuentes Huerta, Joaquin, Alcala de Henares. Cifuentes dentifrice. 547
6. Diez Salazar y Compania, Haro. Tartaric acid. 543
7. Fine y Camps, Ramon, Granollers. Syrup of bitter orange peel. 547
8. Font Pages, Jose, Barcelona. Soap, rice powder, etc. 549
9. Foronda y Mandillo, Pedro de, Santa Cruz de Tenerife, Canary Islands. Orange wine, etc. 547
10. Giner Alino, Bernardo, Valencia. Medicinal wines. 547
11. Ladoyer y Metge, San Pedro de Premia. Orange flower water. 549
12. Marques y Matas, R., Barcelona. Compound wine of oysters, etc. 547
13. Moreno, Hijos de, Corella. Cream of tartar. 543
14. Mundi y Giro, Santiago, Barcelona. Kola. 547
15. Musero Canadas y Compania. Murcia. Essential oils. 549
16 Pey y Mallol, Paulino, Figueras. Elixir of iron and quinine. 547
17. Prieto Justel, Agustin, Muelas de los Caballeros. Masa P. Justel. 547
18. Rodriguez y Hermano, L., Barcelona. Wine of iron. 547
19. Santa Barbara, Sociedad Anonima, Oviedo. Imitation gun powder and other explosives with cases. 550
20. Trulls y Roda, Jose, Barcelona. Orange flower water. 549

GROUP 88.

21. Feced y Temprado, Jose, Madrid. Incombustible varnish. 554

Exhibit No. — Class'n No.

22. Felipe y Arroyo, Francisco, Madrid. Black ink. 552
23. Garcia Martinez, Manuel, Alicante. Varnishes. 554
24. Martin y Rodriguez, Eduardo, Madrid. Gold varnish. 555
25. Porta y Exposito, Juan, Barcelona. Submarine paint. 552
26. Pastor Simarro, Fernando, Albacete. Spanish white. 552

GROUP 89.

27. Costas, Sobrinos de Bartolome, Barcelona. Parchment and cigarette papers. 560
28. Guibout, Eugenio, Barcelona. Envelopes. 560
29. Madirolas y Codina, Ramon, Vich. Samples of bookbinding. 564
30. Pedrola y Badia, Antonio, Gracia "Velografo Pedrola." 564
31. Tersol y Farriols, Jose, Barcelona. Samples of fine bookbinding. 564
32. Torras Hermanos (Sucesores de), Barcelonas. Papers. 560
33. Torras y Juvinya, Salvador, Barcelona. Cigarette paper. 560
34. Torras y Morgat, Barcelona. Cigarette paper. 560

GROUP 90.

35. Anido y Sanchez, Urbano, Santiago de Compostela. Carved chest. 517
36. Cid y Sola, Carlos, Barcelona. Outer blinds. 571
37. Clement Lopez, Francisco, Alicante. Wire mattress. 567
38. Coll Molas, Juan, Barcelona. Sectional ceilings. 571
39. Escaler y Ullastre, Benito, Barcelona. Papier mache decorations. 570
40. Garcia y Portas, Barcelona. Mounted mirror. 569
41. Guisasola y Gaviola, Felipa, Madrid. Damascened vases for centerpieces. 570
42. Pascual Mate, Felix, Barcelona. Center table. 567

hibit Class'n
o. No.
Peña Vaquero, Francisco, Murcia. Metal beds. 567
Pujol e Hijo, Jaime, Barcelona.
a Mirrors. 569
b Mouldings. 570
Roca Casadevall, Serapio, Barcelona. Satin, gold embroidered chasuble. 573
Rosell y Garriga, Francisco. Wood carpets. 571
Ruiz Valiente, Antonio, Barcelona. Ladies' writing desk, renaissance. 567
Sarradó y Cortes, Juan, Barcelona. Carved and decorated frames. 569
Taya, Jose, Barcelona. Furniture for boudoir Louis XV parlor, and for bedroom. 567

GROUP 91.

Bernaldez Caballero, Ramon, Badajoz. Terra cotta vases. 574
Blasco, Hernandez, Buenaventura, Peroniel. Bricks and tiles. 574
Botella y Compañia, Vicente, Alicante. Tiles. 578
Butsems y Fradera, Carlos, Barcelona. Mosaics. 578
Corredor Lafuente, Raimundo, Tardelcuente. Tiles and bricks. 574
Diaz y Alvarez, Francisco, Sevilla. Terra cotta ware. 574
Falomir e Ibañez, Castellon de la Plana. Tiles.
Ferrer y Compañia, Hijos de Jaime, Alicante. Tiles, etc. 578
Jimenez, Izquierdo, Jose, Sevilla. Tiles. 578
Mensaque, Hermanos y Compañia Jose, Sevilla. Decorative tiles and ware. 574
Orsola, Sola y Compañia, Barcelona. Mosaics. 580
Pickman y Compañia, Sevilla. Tiles. 578
Ros y Urgell, Valencia. Majolica. 578
Valderrama, Venancio, Santander. Mosaics. 578

GROUP 93.

Ballarin, Manuel, Barcelona. Forged iron work, etc. 585
Damians, Hijo de Ignacio, Barcelona. Art work in bronze, iron, etc. 585
Gonzalez e Hijos, C., Barcelona. Art work, forged iron. 585
Repiso Seoane, Jose, Badajoz. Bronze repousse. 585
Xumetra Ragull, Fernando, Barcelona. Metal repousse. 585

GROUP 94.

Exhibit No. Class'n No.
69. Diaz, Venancio R., Barcelona. Fine glassware. 593

GROUP 95.

70. Amigó y Compañia, Hijo de Eudaldo R, Barcelona. Stained glass work. 596
71. Rigalt y Compañia, A., Barcelona. Stained glass work. 596

GROUP 96.

72. Amigó y Compañia, Hijo de Eudaldo R., Barcelona. Cut and engraved glass. 602
73. Anton Cabrejas, Pedro, and Anton Rodrigo, Juan, Fuencaliente del Burgo. Box of engraved horn.
74. Balmaña, Manuel, Barcelona. Metal open work. 601
75. Baró y Servat, Damaso, Barcelona. Wood carving. 598
76. Pallas y Puig, Francisco, Valencia. Ivory carvings. 599
77. Riquer y Cia, A. Barcelona. Carved wooden chest. 598
78. Slovet y Renart, Barcelona. Wood carving. 598
79. Roca Alemany, Jose, Barcelona. Engravings. 601
80. Roses y Alsinas, Vicente, Barcelona. Wood carving. 598
81. Serra, Franciso de Asis, Barcelona. Wood carving. 598
82. Vayreda y Compañia, Olot. Religious images in paper. 598
83. Vila y Roque, Francisco, Barcelona. Wooden images. 598

GROUP 97.

84. Guisasola y Gaviola, Felipa, Madrid. Steel inlaid with gold and silver. 608
85. Sanchez y Diaz, Alejo, Madrid. Damascened steel, etc. 608

GROUP 99.

86. G. y Zaldivar, M., Bilbao. Silver watch, Louis XVI. 617
87. Guisasola y Gaviola, Felipa, Madrid. Damascened steel watch cases. 619

GROUP 100.

88a. Fabregas, Bojart (Cayetano), Barcelona. Silk. 625
88b. Faronda y Mandillo, Pedro de, Santa Cruz de Tenerife, Canary Islands. Silk. 625
89. Monjo, Barcelona. Silk ribbons. 631
90. Santonja, Hijos de Francisco, Barcelona. Ribbons. 631
91. Serra, Francisco de Asis, Barcelona. Silk, velvet, etc. 630

Vegetable and Other Fibres, Yarns, Woven and Felted Goods, Clothing, Furs, Lac

GROUP 101.

Exhibit No. — Class'n No.

92. Alier, Pedro, Barcelona. Hemp canvas. 634
93. Godó y Compañia, Barcelona. Jute fabrics. 633
94. Mas Hijos, Manuel, Crevillente. Fabrics of esparto. 635
95. Perez e Hijo, Jose. Barcelona, Esparto and pita mats. 635
96. Rovira y Compañia, Viuda de Juan, Barcelo. Oil cloths for all purposes. 636

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97. Castane y Masriera, Pedro, Barcelona. Linen goods. 639
98. Fabra y Portabella, Sociedad Anonima de los Sucesores de, Barcelona.
    a Cotton thread. 638
    b Linen thread. 639
99. Ferrer y Vidal, Jose, Barcelona. Cotton goods. 638
100. Gonzalez Gragera, Juliana, Villafranca de los Barros. Linen goods. 639
101. Lucena y Compañia, Sucesores de J. Barcelona. Colored cottons. 638
102. Marques, Caralt y Compañia, Barcelona. Linen thread. 639
103. Mulleras, Camilo, Barcelona. Colored cottons. 638
104. Parellada y Compañia, Barcelona. Cotton goods. 638
105. Salas, Puigmoler y Compañia, Barcelona. Cotton goods. 638
106. Santacana y Compañia, Villanueva y Geltru. White cotton goods. 638
107. Tolra, Viuda de Jose, Barcelona. Cotton goods. 638

GROUP 103.

108. Dalmau Sanroma, Jose, Barcelona. Shawls. 640
109. Ferrer y Vidal, Jose, Barcelona. Worsted goods. 643
110. Gomez Rudulfo, Hijos de Jeronimo, Bejar. Woolen uniform cloth. 640
111. Gremio de Fabricantes de Sabadell, Sabadell. Woolen goods. 640
112. Instituto Industrial de Tarrasa, Tarrasa. Woolen goods. 640
113. Juan, Herederos de Vicente, Palma de Mallorca.
    a Woolen blankets. 642
    b Casimirs. 643
114. Margui y Esquena Hermanos, Barcelona. Overcoats. 643
115. Peña Muñoz, Hermanos, Cuenca.
    a Woolen shawls. 640
    b Woolen goods. 642

Exhibit No. — Cla N

116. Sampere, Hermanos de Pablo, Bar lona. Woolen yarns.
117. Sert, Hermanos e Hijos, Barcelo Carpets, tapestry and woolen goods.
118. Torre, Jose de, Almenar.
    a Woolen cloth.
    b Woolen shawls.
119. Verdu Candela, Jose, Alcoy. F

GROUP 104.

120 Aloe de Boullosa, Ana de, Santa C de Tenerife, Canary Islands. Cors

121. Anllo, Aniceto, Cospeito. Shoes.
122. Ballesta, Felipa, Malaga. Sanda
123. Cabot y Alabau, Mataro. Knit goo
124. Escribano y Muñoz, Juan, Sevil Shoes.
125. Escuder y Castella, Miguel, Barc lona. Sewing machines.
126. Fabregas y Farre, Pablo, Arb Straw caps.
127. Faugier, Narciso, Barcelona. Ca
128. Fernandez Palacio, Jose, Ovie Hunting boots.
129. Juan Justo, Valladolid. Corsets.
130. Lezcano y Ablanero, Lucila, Mad Hand-painted white wool waist.
131. Male, Miguel, Tarragona. Sho
132. Martin Lorenzo, Nicolas, Mad Coat.
133. Panduro y Compania, Burgos. Ov coat.
134. Sanchez Reina, Manuel, Badaj Frock coat.
135. Soler, J., Barcelona. Hats.
136. Trinchet y Sanchez, Luis, Barcelo Hats.
137. Vidal, Juan, Barcelona. Shoes.
138. Viesca, Francisco, Oviedo. Sho
139. Zugasti, Candida y Aguirre, Polor Madrid. Corsets.

GROUP 105.

140. Moreno Benito, Felix, Palma del F Fur mats.

GROUP 106.

141. Carrasqueno de Gragera, Clari Badajoz. Embroidered painting.
142. Fernandez y Gonzalez, Luisa, Mad Embroidery.
143. Fiter, Viuda e Hijo de Jose, Bar lona. Laces.

nbroideries, Hair Work, Toys, Leather, Material of War, Miscellaneous Articles.

bit Class'n No.

Garcia Mardones, Presentacion, Bil-.o. Embroidery. 665

Gonzalez Sanchez, Exuperancia, udad Rodrigo. Embroidery. 665

Lezcano y Ablanedo, Lucila, Madrid. nbroidery. 665

Lucas y Compañia, Barcelona. Lace ods. 664

Mazas y Mardomingo, Leopolda de, adrid. Embroidery. 665

Moreu, Hermanos, Barcelona. Passa-enterie for curtains, etc. 667

Munoz Chumillas, Antonio, Cuenca. tificial flowers. 666

Pujol e Hijo, Jaime, Barcelona. Fans. 667

Ramona y Vives, Maria Ana, Bil-.o. Embroidery. 665

Rebollo, Emilia, Malaga. Tapestry. 670

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GROUP 107.

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GROUP 108.

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GROUP 110.

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Ortelli Montaña, Juan, Barcelona. etal toys. 693

Pujol e Hijo, Jaime, Barcelona. ardboard dolls. 693

GROUP 111.

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Fargas y Vilaseca, Miguel, Barce-na.

a Tanned hides. 687

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Finet, Joaquin, Barcelona. Prepared eep skins. 697

Exhibit No. Class'n No.

166. Pons y Compañia, Jose M., Barcelona. Tanned hides. 697

167. Serratosa, Pedro Simon, Barcelona. Art leather. 705

GROUP 113.

168. Carranza y Echevarria, Juan de, Madrid. Special apparatus for aiming and firing drill of great guns. 716

169. S. M. el Rey de España D. Alfonso XIII, Madrid. Compressed bronze cannon. 716

GROUP 114.

170. Closa Florensa, Jose, Barcelona. Gas lamps. 721

GROUP 117.

171. Viroso, Agustin, Lagoa. Hair sieves. 737

GROUP 118.

172. Santamaria, Arturo y Alfredo, Barcelona. Corrugated steel gates. 743

GROUP 121.

173. Agueda Villar, Nicolas, Madrid. Silk applique on paintings.

174. Carreras Alberich, Viuda e Hijos de, Barcelona. Carding combs and skeins for woven goods.

175. Comas y Ricart, Sucesores de, Barcelona. Playing cards.

176. Codina y Sert., Gines, Barcelona. Colored plates.

177. G. y Zaldivar, M., Bilbao-Begoña. Playing cards in silver case.

178. Garcia Forras, Jaime, Barcelona. Playing cards.

179. Gaza Soler, A., Barcelona. Military galloons and decorations.

180. Lange y Campiloch, Eduardo, Barcelona. Designs for cotton prints.

181. Morante y Salas, Cuenca. Wax matches, imitation.

182. Olea, Rodolfo, Cadiz. Playing cards.

183. Oliva y Marti, Barcelona. Composition busts and decorative work.

184. Ribas y Vicens, Ramon, Mataro. Communion cloth.

185. Roura y Presas, Juan, Barcelona. Playing cards.

186. San Jose, Gervasio, Valladolid. Surgical appliances for deformed limbs.

CEYLON.

Drugs, Stationery, Upholstery, Coffins, Ceramics, Carvings, Jewelry, Clothing.

GROUP 87.

1. Ceylon Commission.
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   b Vanilla. 549

GROUP 88.

2. Ceylon Commission.
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   b White, terra cotta and laterite washes, antimony and dorenetel. 554

GROUP 89.

3. Ceylon Commission.
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   b Brass style. 564

GROUP 90.

4. Colombo Museum. Book rest. 572
5. Panabokke, T. B., Kandyan shades. 568
6. Soysa de Lady.
   a Couches, sofas, chairs. 565
   b Tables and stand. 566
   c Mounted elephants' tusks, book and show cases. 572

GROUP 91.

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GROUP 92.

8. Ceylon Commission. Biers, coffin cloth; model of pile for cremating. 584

GROUP 93.

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10. Colombo Museum, Ceylon. Carved brassware. 585
11. Government of Ceylon. Bronze from Annrad hapura. 585

GROUP 96.

12. Ceylon Commission.
    a Boxes, card case, paper cutters, work basket, writing case, mats, carved elephants, etc. 598
    b Ivory boxes and carved ivory articles. 599
13. Colombo Museum. Boxes; ebony phant.
14. Perera, M. J. Kalutara baskets.

GROUP 97.

15. Ceylon Commission. Wata and r heppuwa; betel and silver boxes.
16. Colombo Museum.
    a Teapoy and spoon rack.
    b Silver boxes.

GROUP 98.

17. Ceylon Commission. Head-dres necklaces, combs, bangles, chains, anch chatelaines, rings and set of jewelry.
18. Colombo Museum.
    a Hairpins, brooch, comb, chain.
    b Bangles, mounted with diamond
19. Perera, M. J.
    a Bangles, comb.
    b Silver gilt necklace.
20. Thomas, A. Bangles.

GROUP 102.

21. Colombo Museum. Tundu cl kaiyeli, kunkuma soman, Kandyan c

GROUP 104.

22. Carolis, W. D., & Co., Shoes.
23. Ceylon Commission.
    a Skirts, scarf and comboy.
    b Talipot hat.
    c Head-dresses.
    d Belt.
24. Colombo Museum.
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    b Fisher's hat and cap.
    c Head-dress.

GROUP 106.

25. Ceylon Commission. Artificial flov
26. Colombo Museum. Cloth with lace work.
27. Government of Ceylon. Kan betel bag.
28. Perera, M. J. Teapoy cloths.

Toys, Fancy Articles, Scales, Material of War, Safes, Hardware.

GROUP 110.

Ceylon Commission. Wooden tray, ups and saucers. 695
Colombo Museum, Ceylon. Marionette how. 693
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GROUP 111.

Carolis, W. D., & Co. Hides and kins. 696
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GROUP 112.

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GROUP 113.

35. Ceylon Commission. Kandyan knives; swords; iron spearhead. 717
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GROUP 119.

38. Colombo Museum. Arecanut cutter. 751
39. Panabokke, T. B. Arecanut cutters. 751

DENMARK.

Dyes, Stationery, Upholstery, Ceramics and Mosaics.

GROUP 88.

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Rasmussen, C. M., & Spies, Copenagen.
a Blacking for saddlery. Dept. A 552
b Spirit varnish. 554

GROUP 89.

Levison, L., Jr., Copenhagen.
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b Writing paper. 560
c Decorated paper. 562
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GROUP 90.

Andersen, Kr., & Co., Copenhagen. oiners' work for building purposes. 571
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Henning, Hansen, Odense, Funen. ak cabinet. 567
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Lassoe, Miss Augusta, Copenhagen. ictures burned in wood. 572
Larsen & Andersen, Copenhagen. arved furniture. 567

11. Meyer, E., Copenhagen. Lacquer work. 572
12. Plum, Chr. & Zald., Copenhagen. Dining room furniture. 567
13. Prior, Miss Maud, Copenhagen. Pokerwork chair. 572
14. Topp, I. Wilk, Copenhagen. Book case. 567
15. Topp, N. Chr., Copenhagen. Book case. 567

GROUP 91.

16. Budde-Lund, C., Copenhagen. Terre cotta work. Dept. H 574
17. Elkjær, P. M., Copenhagen. Imitated stone mosaic. 589
18. Godthaab Terra Cotta Manufactory. Copenhagen. Terra cotta and glazed ware. 574
19. Hausen, Miss E., Copenhagen. Ceramic work. 576
20. Ipsens, P., & Enke, Copenhagen. Terra cotta work. 574
21. Jorgensen, L. P., Copenhagen. Terra cotta. 574
22. Jorgensen, Miss L., Ronnede, Sealand. Painted tableware. 576
23. Kahler, Herman A., Nestved, Sealand. Ceramic work. 576
24. Nielsen, E., Copenhagen. Bisque and granite ware. 576

25. Royal Porcelain Manufacturing Company, Copenhagen. Porcelain 577
26. Skovgaard, Miss S. C., Copenhagen. Ceramic work. 576

GROUP 92.

27. Fiskbalk, P. M., Aarhus, Jutland. Memorial plates for a grave. 581

GROUP 93.

28. Birk, Miss Dagmar, Copenhagen. Engraved copper; brass work. 585
29. Christensen, Z., Copenhagen. Engraved articles. 585
30. Dalhoff, H., & Son, Copenhagen. Art metal work. 585
31. Doberck, Fr., & Son, Copenhagen. Art metal work. 585
32. Jensen, Rasmus, Horsens, Jutland. Enamel work. 586
33. Rasmussen, Lauritz, Copenhagen. Bronzes. 585

GROUP 94.

34. Bendz, Miss M., Copenhagen. Painted glass plates. 593
35. Jacobsen, E. P., Copenhagen. Glass ceilings. 589

GROUP 95.

36. Duvier, Aug., Copenhagen. Stained glass windows. 596
37. Gotke, E. J., Copenhagen. Stained glass and glass paintings. 596

GROUP 96.

38. Berthelsen, Miss Inger M., Copenhagen. Wood carvings. 598
39. Crone, Miss Ellen, Copenhagen. Carved wood. 598
40. Dallerup, Baroness U., Copenhagen. Wood carvings. 598
41. Ernst, Soren, Copenhagen. Carved screen with painting. 598
42. Ingemann-Olsen, A., Copenhagen. Wood carving. 598
43. Müller, G. Y. J., Copenhagen. Wood carving. 598
44. Thomsen, Miss Elizabeth, Copenhagen. Wood carvings. 598
45. Withusen, Miss Austa, Copenhagen, Wood carvings. 598
46. Wood Workers' Guild of Randers. Rander, Jutland. Fancy articles. 598

GROUP 97.

47. Bloch, Fr., Copenhagen. Electro plated art metal work. Dept. H 611
48. Christensen, Z., Copenhagen. Silverware. 604
49. Hertz, Peter, Copenhagen. Gold silverware.
50. Jensen, Rasmus, Horsens, Jutla Gold ornaments.
51. Michelsen, A., Copenhagen. Gold silverware.
52. Nordemann, M., Copenhagen. Silv ware.

GROUP 98.

53. Christensen, Z., Copenhagen. Je elry.
54. Hertz, B., Copenhagen. Gold or ments.
55. Hertz, Peter, Copenhagen. Jewel
56. Michelson, A., Copenhagen. Jewel

GROUP 99.

57. Larsen, Bertram, Copenhagen. Tov clock.

GROUP 101.

58. Brynjulfson, Miss N., Copenhag Painted mat.

GROUP 104.

59. Henriksen, H. P., Copenhagen. Gl sewing machine.
60. Larsen, H. K., Esbjerg, Jutla Wooden shoes. Dept. A
61. Petersen, P. T., Randers, Jutla Wooden shoes. Dept. A
62. Trautner, M., & Son, Soro, Seala Wooden shoes. Dept. A
63. Waldemar, Hansen, Copenhag Gloves.

GROUP 105.

64. Broe, Mrs. W., Copenhagen. Feat quilt.
65. Nathan, Marcus M., Copenhag Eiderdown.
66. Trolle, C. A., Copenhagen.
a Furs and skins.
b Fur clothing.

GROUP 106.

67. Bojesen, Miss Jutta, Copenhag Laces.
68. Brandt, Mrs. Marie, Copenhag Art embroidery.
69. Broberg, Miss Bodil, Copenhag Lace insertions.
70. Czarnewski, Miss M. Sasse, Cope hagen. Art embroidery.
71. Dallerup, Baroness U., Copenhag Woven articles, etc.

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Dyrhauge, Mrs. Th., Copenhagen. urtain trimmings. 668
Fenger, Miss A. M. F., Copenhagen. rt embroidery. 669
Fischer, Miss Emma, Copenhagen. Woven articles. 670
Harder, Miss Edle, Copenhagen. Art nbroidery. 669
Hausen, Mrs. Ida, Copenhagen. Art nbroidery. 669
Jansen, Miss Marie, Copenhagen. rtificial flowers. 666
Jensen, Mrs. J., Copenhagen. Lace ed-cover. 664
Koefoed, Mrs. Regina, Copenhagen.
a Embroidery. 669
b Tapestries. 670
Larsen, Miss Agnes, Copenhagen. rt embroidery. 669
Larsen, Miss Fanny, Copenhagen. aces. 664
Linde, Miss Elizabeth, Faxe, Sealand. rt embroidery. 669
Petersen, Mrs. Julie, Copenhagen. rt embroidery. 669
Ring, Miss Nanna, Copenhagen. Art nbroidery. 669
Silberloh, Mrs. L., Nestved, Sealand. rt embroidery. 669
Stahlberg, Miss J., Copenhagen. Art nbroidery. 669
Stephansen, Miss M., Vejle, Jutland.
a Lace handkerchief. 664
b Art embroidery. 669
Thomsen, Miss Elizabeth, Copenhagen. Art embroidery. 669
Thompson, Mrs. Elizabeth, Copenhagen. Woven articles. 670
Thun, Miss Anna V., Copenhagen. lk lace. 664
Vallentin, Mrs. Augusta, Copenhagen. rt embroidery. 669
Warnich, Leifer, Horsens, Jutland. obelin paintings. 670
Wesenberg, Mrs. Olivia, Copenhagen.
a Lace for table decoration. 664
b Embroidery. 669

GROUP 108.

94. Hoffgaard, A. E., Aarhus, Jutland. Hammocks. Dept. H 676

GROUP 110.

95. Dallerup, Baroness U., Copenhagen. Fancy articles. 695

GROUP 111.

96. Evald, I., Svendborg, Funen. Leather belting. Dept. A 704
97. Holtz, I. A., Holbak, Sealand. Leather belting. Dept. A 704
98. Jacobsen, Miss Julie, Copenhagen. Leather fancy articles. 705
99. Lassen, A. F., Holbak, Sealand. Leather belting. Dept. A 704
100. Nielsen & Hausen, Copenhagen. Figured leather, gobelins, etc. 705
101. Schroder, Bernh, Copenhagen. Figured leather, gobelins, etc. 705

GROUP 112.

102. Andersen & Jensen, Copenhagen. Weights. Dept. A 712
103. Jorgensen, Edmund, Copenhagen. Weights. Dept. A 712

GROUP 113.

104. Fermansen, Chr., Copenhagen. Magazine rifle. 714

GROUP 116.

105. Pedersen, N., Brondesled, Sealand. Brass and tin work. 733

GROUP 117.

106. Meyer, E., Copenhagen. Fire screens. 738
107. Warnich, Leifer, Horsens, Jutland. Fire screens. 738

GROUP 121.

108. Warnich, Leifer, Horsens, Jutland. Altar and appurtenances.

EAST INDIA.

Stationery, Upholstery, Ceramics, Enamels, Carvings, Silverware, Silks, Fibres.

Collective exhibit of H. H. the Maharajah of Mysore's Government through S. J. Tellery & Co. Installed in the East Indian pavilion.

DEPT. A—AGRICULTURE.

GROUP 1.

1. Wheat. 1
2. Rice. 6
3. Ragi (a flour). 11

GROUP 9.

4. Cotton. 53
5. Wool. 60

GROUP 14.

6. Model of a Bengal agricultural farm.
7. Model of an indigo farm and factory.
8. Model of an oil farm and factory.
9. Model of a shellac farm and factory. 78

GROUP 17.

10. Ivory horns and tusks. 90

GROUP 18.

11. Sandal, cocoanut and cinnamon oil. 95

DEPT. N—FORESTRY.

GROUP 19.

12. Sandal-wood trees, logs, billets; teak, hanne and kari matti planks. 99
13. Satin-wood logs. 101
14. Tangadi bark, sak tree. 103
15. Sandal-wood roots, powder, chips. 108

GROUP 44.

16. Miscellaneous articles made of marble and alabaster. 296

GROUP 49.

17. Iron and steel. 334

DEPT. H—MANUFACTURES.

GROUP 89.

18. Papier-mache articles. 557

GROUP 90.

19. Rose, sandal and teak-wood chairs. 565
20. Tables of rose, teak, ebony, sandal and shishim woods. 566
21. Furniture made of fancy woods, carved and inlaid. 567
22. Curtains, portieres, etc.
23. Mirrors.

GROUP 91.

24. Painted and glazed pottery.
25. Marble and alabaster models of Taj, the Kutab Minar, the B Masque (full size), a Hindu tem Burmese pagodas and Temple of K

GROUP 93.

26. Repousse and chiseled art metal w

GROUP 96.

27. Wood carvings.
28. Ivory carvings.

GROUP 97.

29. Silver tableware.
30. Silver spoons, etc.
31. Miscellaneous fancy articles in sil

GROUP 100.

32. Enameled brass, copper, gold and verware.
33. Raw silks.
34. Plain silks.
35. Upholstery silks.
36. Silk handkerchiefs and dress pieces

GROUP 101.

37. Grass mats.
38. Fine wire cloths mixed with silk.

GROUP 102.

39. Cotton, muslin and silver tinsel pr

GROUP 103.

40. Woolen fabrics, embroidered and p
41. Cashmere shawls, etc.
42. Felt rugs.
43. Carpets, rugs, etc.

GROUP 104.

44. Wool, silk and velvet ready-m clothing.

Trimmings, Hair Goods, Trunks, Umbrellas, etc., Toys, Fancy Articles.

Ladies' dresses, jackets and native costumes. 653
Caps and turbans. 654
Shoes. 656

GROUP 106.

Wool and silk laces. 664
Fans of sandal-wood, ivory, etc. 667
Embroidered trimmings. 668
Silk, silver and gold thread and tinsel, art embroideries and needle work. 669

GROUP 107.

Ivory combs. 675

GROUP 108.

Bags. 680
Ivory, ebony and sandal-wood canes. 681
Oil cloth and hand painted umbrellas. 682

GROUP 110.

Toys, swings, etc. 693

GROUP 113.

Swords, daggers, knives, etc. 717
Guns, spears, bows, etc. 718

DEPT. K—FINE ARTS.

GROUP 142.

Paintings on ivory of kings, queens, ajahs, etc.

GROUP 143.

60. Prints of gods and natives.

GROUP 144.

61. Modern wooden and antique ivory carvings.

DEPT. L—LIBERAL ARTS.

GROUP 147.

62. Model of an Indian village. 827

GROUP 151.

63. Photos of scenery. 871

GROUP 158.

64. Native musical instruments, part gilt, inlaid with semi-precious stones. 926
65. Drums, tambooras, etc. 927
66. Harps, guitars, zithers, etc. 928

DEPT. M—ETHNOLOGY.

GROUP 164.

67. Complete sets of Hindu and Burmese gods, models of Mohammedan marriage ceremony and funeral, wife sacrificing herself on the funeral pile of her deceased husband. Other ceremonies and objects of veneration, etc.

INDIA.

LOCATION—SEC. C, BLK. 3.

1. **Ardeshir & Byramji, Bombay.** Pottery. 575
2. **Ardeshir & Byramji, Bombay.** Art metal work. 585
3. **Ardeshir & Byramji, Bombay.**
   a Carved sandalwood and furniture. 598
   b Carved and inlaid ivory. 599
4. **Ardeshir & Byramji, Bombay.** Silver ware. 604
5. **Ardeshir & Byramji, Bombay.** Gold and silver jewelry. 612
6. **Ardeshir & Byramji, Bombay.** Silk fabrics. 627
7. **Ardeshir & Byramji, Bombay.** Cotton fabrics. 638
8. **Ardeshir & Byramji, Bombay.**
   a Shawls. 642
   b Indian carpets. 649
9. **Ardeshir & Byramji, Bombay.** Embroidery. 665
10. **Ardeshir & Byramji, Bombay.** Indian fancy goods. 695
11. **Bombay-Burmah Trading Corporation,** Rangoon. Cutch; teak. 545
12. **Bombay-Burmah Trading Corporation,** Rangoon. Umber. 552
13. **Croft, Gonne, & Co., Calcutta.** Ground bone. 92
14. **Das & Gopi, Benares City.** Embroidery and brocade. 665
15. **De Forest, Lockwood, Ahmedaba**
    House and room in carved wood. 5
    Complete Indian room in carved teakwoo from designs by Mr. Lockwood de Fores executed at his workshops at Ahmedaba India. Marshall Field & Co., exclusiv Chicago agents.
16. **De Monte, Jos., Bombay.** Model o apparatus for preventing collisions o railways. 49
17. **Doyle, Harry, & Co., Calcutta.** Silve jewelry. 61
18. **Doyle, Harry, & Co., Calcutta.** Musk 54
19. **Rhumgara, F. P., & Co., Bombay** Furniture. 56
20. **Rhumgara, F. P., & Co., Bombay.**
    a Carved bones. 59
    b Carved ivory. 59
21. **Rhumgara, F. P., & Co., Bombay.**
    a Metal vases and trays. 60
    b Plate. 60
22. **Rhumgara, F. P., & Co., Bombay** Gold and silver jewelry. 61
23. **Rhumgara, F. P., & Co., Bombay.**
    a Fans and hand screens; fancy goods 66
    b Embroidery. 66

ITALY.

LOCATION—SEC. A, BLK. 1.

Druggists' Supplies, Dyes, Stationery, Upholstery.

GROUP 87.

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. Ciaburri, Antonio, Cerreto Sannita. Pharmaceutical preparations. 547
. Cristofori, Natale, San Vito al Tagliamento. Insect powder. 547
. Genevois, Felice & Son, Naples. Soaps. 549
. La Chiavi, Enrico, Palermo. Chemical preparations. 547
. Martinez, G. G., Gergenti. Pharmaceutical preparations. 847
. Manara, Dr. Michele, Pavia. Pharceutical preparations. 547
. Porrivecchi, Carlo, Messina. Essences. 549
. Rognone, Cav. Carlo, Turin. Antiseptic preparations. 547
. Tarozzi, Cesare, Bologna. Hair dye. 547
. Zampironi Laboratory, Mestre. Insect powder. 547

GROUP 88.

. Chiariello, Pasquale, Naples. Painters' canvas. 555
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560. Seiji Kwaisha, Saga.
 a Stoneware. 5
 b Hanging dish. 5
561. Seishi Naruse, Gifu. Ornament. 5
562. Seishichi Nishiura, Gifu. Chinawar 5
563. Sennosuke Kusube, Kyōto. Ston ware. 5
564. Seto-Earthenware Association, Set Semi-porcelain ware. 5
565. Setsuzan Akamaru, Ishikawa. Chin ware; flower vases. 5
566. Shinsuke Hayashi, Kyōto. Ston ware. 5
567. Shojiro Okura, Ishikawa. Umbrell stand. 5
568. Shotaro Tamari, Kagoshima. Po tery. 5
569. Shou Jimura, Kyoto. Porcelain war 5
570. Shunji Aiwa, Nagoya. Stoneware 5
571. Sobei Kinkozan, Kyoto
 a Pottery vase. 5
 b Faience. 5
572. Sobei Shimada, Tokyo. Chinaware 5
573. Sōjirō Karumi Tōkyō. Semi-porce lain. 5
574. Sotojiro Fujioka, Ishikawa. Stone ware; pottery. 5
575. Sosuke Fujii, Ishikawa. Porcelain 5
576. Sosuke Namikawa, Tokyo. Dec orated porcelain ware. 5

577. Sukesaburo Kato, Tokyo. Porcelain. 577
578. Takuzo Otsuka, Tokyo. Porcelain. 577
579. Tai & Co., Tokoname. Stoneware. 575
580. Tamekichi Ito, Tokyo. Salt castor. 576
581. Tamuro Okamoto, Ishikawa. Porcelain. 577
582. Tamimatsu Yamashita, Kanazawa. Porcelain. 577
583. Tanekichi Harada, Saga. Stoneware. 575
584. Tantosha, Osaka. Chinaware. 576
585. Tarijiro Nakamura, Kanazawa. Porcelain. 577
586. Tatsu Kanzan, Kyoto. Porcelain. 577
587. Tatsuichi Iwamatsu, Saga. Stoneware. 575
588. Teizo Agano, Kumamoto. Water pitcher. 576
589. Tetsuzo Kumagai, Gifu. Chinaware. 576
590. Tokuhei Nozaki, Ishikawa.
a Incense burners. 576
b Pottery. 575
591. Tokujiro Nobata, Kanazawa. Porcelain. 577
592. Tokubei Kato, Gifu. Chinaware. 576
593. Tokusuke Matsuo, Saga. Stoneware. 575
594. Tokoname Earthenware Association, Tokoname. Stone and earthenwares. 575
595. Tokoname Trading Company, Tokyo. Flower vases. 576
596. Tomoda Company, Ishikawa. Flower vases; chinaware. 576
597. Tomotame Terazawa, Kyoto. Stoneware. 575
598. Tomimatsu Tanaka, Tokyo. Porcelain. 577
599. Tomotarō Kajiwara, Saga. Stoneware. 575
600. Tomotaro Kato, Tokyo.
a China. 576
b Porcelain. 577
601. Tosuke Ebina, Kyoto. Porcelain ware. 577
602. Tsuna Hattori, Tokyo. Stoneware. 575
603. Tozan Ito, Kyōto. Chinaware. 576
604. Toraichi Iwao, Saga. Stoneware. 575
605. Toramatsu Fukumatsu, Ishikawa. Porcelain. 577
606. Toramatsu Uchida, Ishikawa. Pottery. 575
607. Torasaburo Tsujimoto, Hyogo. Chinaware. 576
608. Torasaburo Tsujimoto, Osaka. Chinaware. 576
609. Torasaburō Yamaguchi, Saga. Stoneware. 575
610. Wahei Mukai, Ehime. Faience. 576
611. Yahei Kito, Nagoya. Porcelain ware. 577
612. Yakichi Kumagai, Gifu. Chinaware. 576
613. Yaichiro Agano, Kumamoto. Chinaware. 576
614. Yashiro Kimura, Ishikawa. Porcelain. 577
615. Yaoki Yoshiwara, Kumamoto. Chinaware. 576
616. Yashichi Uchino, Tokyo. Vases and plates. 576
617. Yasuke Fujita, Osaka. Flower vases. 576
618. Yasukiyo Tomoda, Ishikawa. Pottery. 575
619. Yasukichi Tashiro, Saga. Stoneware. 575
620. Yasunosuke Kitami, Kyōto. Stoneware. 575
621. Yasutaro Okumura, Kyoto. Chinaware. 576
622. Yohei Iwata, Hyogo. Flower vase. 576
623. Yohei Seifu, Kyoto. Semi-porcelain ware; flower vases; incense burner. 576
624. Yohei Taizan, Kyoto. Faience flower vases. 576
625. Yoichi Aoki, Saga. Stoneware. 575
626. Yoshijiro Kawai, Kanazawa. Porcelain. 577
627. Yoshiji Watano, Ishikawa. Porcelain. 577
628. Yoshihiko Tojo, Kyoto. Stoneware. 575
629. Yoshikuro Matsubara, Gifu. Chinaware. 576
630. Yoshitake Suwa, Ishikawa. Stoneware. 575
631. Yoshizō Shibata, Kyōto. Faience. 576
632. Zengoro Eiraku, Kyoto. Japanese tea set. 576
633. Zenjiro Nakamura, Kyoto. Flower vases. 576
634. Zenzaburo Tanaka, Tokyo. Semi-porcelain. 576
635. Zoji Sasada, Ishikawa. Porcelain. 577

GROUP 92.

636. Genshiro Shimizu, Gifu. Stone catch (for drawer). 582
Miscellaneous stone ornaments; flower pot.

Monuments, Caskets, Undertakers Furnishing Goods, Art Metal Work, Enamels, Etc.

637. Hyokichi Honho, Toyama. Carved marble ornaments. 582
638. Kojyuro Horie, Tokyo. Carved slate ware. 582
639. Kumajiro Hirata, Tokyo. Stone flower vases. 582

GROUP 93.

640. Bunzaemon Kawaguchi, Nagoya. Cloisonne ware. 586
641. Chösgorö Hirokami, Toyama. Art metal work. 585
642. Chöshichi Jyöda, Toyama. Art metal work. 585
643. Chözaburö Matsuyama, Toyama. Art metal work. 585
644. Chyoichiro Kanamori, Toyama. Art metal work; incense burner. 585
645. Chyökichi Suzuki, Tökyö. Art metal work. 585
646. Chyubei Takeuchi, Aichi. Cloisonne ware. 586
647. Chyuhei Nakagawa, Toyama. Art metal work (flower vases, plaque). 585
648. Commercial and Manufacturing Bureau. Specimens showing process of manufacturing metal work. 585
649. Eisuke Jyömi, Kyöto. Art metal work. 585
650. Eiziro Kajima, Tokyo. Art metal work. 585
651. Fusajiro Takayanagi, Toyama. Art metal work, flower vases; incense burners. 586
652. Genemon Ishida, Aichi. Cloisonne ware. 586
653. Gihei Seki, Toyama. Art metal work. 585
654. Gimbei Kuroha, Ibaraki. Art metal work (card receivers, flower vases, incense burners, frames, etc.). 585
655. Ginjiro Sawada, Tokyo. Copper ware. 585
656. Hachizaemon Hayashi, Nagoya. Cloisonne ware. 586
657. Hanemon Matsuta, Iahikawa. Copper ware. 585
658. Heizö Seki, Toyama. Art metal work. 585
659. Hirosuke Hayashi, Nagoya. Cloisonne ware. 586
660. Hoeisha, Aichi. Cloisonne ware. 586
661. Ichihei Kajima. Art metal work. 585
602. Ichibei Noda, Kanagawa. Cloisonne ware. 586
663. Ichitaro Morimura, Tokyo. Copper plates. 585
664. Ihei Fujii, Kyoto. Silver incense burner. 585
665. Iwakichi Ötsuka, Kyöto. Niello work. 588
666. Izaemon Mikami, Kyöto. Cloisonne ware. 586
667. Jinnoei Öta, Nagoya. Cloisonne ware. 586
668. Jisaburo Takayanagi, Toyama. Art metal work (flower vases, incense burners). 585
669. Jisuka Komma, Toyama. Art metal work. 585
670. Jisuke Kotake, Toyama. Art metal work. 585
671. Jitsuemon Satö, Nagoya. Cloisonne ware. 586
672. Jyubei Ando, Aichi. Cloisonne ware. 586
673. Jyübei Andö, Nagoya. Cloisonne ware. 586
674. Jyujiro Koizumi, Ibaraki. Art metal work. 585
675. Jyutaro Hirata, Tokyo. Art metal work. 585
676. Kahei Okada, Nagoya. Cloisonne ware. 586
677. Kahei Yamazaki, Toyama. Art metal work. 585
678. Kai Tsuda, Kyöto. Cloisonne ware. 586
679. Kanazawa Döki-Kwaisha, Ishihawa. Art metal work. 585
680. Kansai Trading Company, Kyoto.
 a Art metal work. 585
 b Cloisonne ware. 586
681. Kanzaemon Kakuha, Toyama. Art metal work. 585
682. Kashichiro, Iwashiro, Toyama. Art metal work, card receiver. 585
683. Kasuke Itö, Nagoya. Cloisonne vase; knife handles. 586
684. Katsuyoshi Shöami, Okayama. Incense burners. 585
685. Kaziro Kobayashi, Tokyo. Art metal work. 585
686. Keitarö Nozaki, Toyama. Art metal work. 585
687. Kichibei Nakamura, Tokyo. Card receiver. 585
688. Kichigoro Suzuki, Tokyo. Art metal work. 585
689. Kichijirö Tanaka, Kanagawa. Cloisonne ware. 586
690. Kingo Kotsuka, Nagoya. Cloisonne ware. 586
691. Kinzyürö Adachi, Nagoya. Cloisonne ware. 586
692. Kisuke Kato, Toyama. Art metal work; incense burner. 585
693. Kohei Inami, Toyama. Art metal work (incense burner). 585

Art Metal Work, Enamels, Etc.

694. Kumakichi Shimizu, Nagoya. Cloisonne ware. 586
695. Komakichi Tsugane, Nagoya. Cloisonne ware. 586
696. Kokan Murata, Kyoto. Art metal work. 585
697. Kyubei Noguchi, Osaka. Art metal work. 585
698. Masafusa Tsubai, Nagoya. Cloisonne ware. 586
699. Masakichi Yoshimura, Toyama. Art metal work (card receiver). 585
700. Masanori Okadera, Nagoya. Cloisonne ware. 586
701. Masaru Miyamoto, Tokyo. Art metal work. 585
702. Masubei Tsukamoto, Nagoya. Cloisonne ware. 586
703. Masuemon Itö, Kanagawa. Cloisonne ware. 586
704. Matajirö Nakano, Toyama. Art metal work. 585
705. Mosuka Kuroda, Nagoya. Cloisonne ware. 586
706. Motokichi Hongo, Toyama. Art metal work (flowered vase). 585
707. Naoji Sugimoto, Toyama. Art metal work. 585
708. Naozaburö Yomamoto, Hyögo. Cloisonne ware. 586
709. Nobori Nogawa. Art metal work. 558
710. Rihei Shiosaki, Toyama. Art metal work. 585
711. Rihei Matsumura, Toyama. Art metal work. 585
712. Rokuhei Matsumura, Toyama. Art metal work. 585
713. Ryusuke Hirano, Ibaraki. Art metal work. 585
714. Saburoemon Okamura, Toyama. Art metal work; flower vases. 585
715. Saburoemon Okamura, Toyama. Art metal work; flower vases. 585
716. Sadabumi Ito, Tokyo. Art metal work. 585
717. Sadajirö Ametani, Toyama. Art metal work. 585
718. Sadashichi Takao, Osaka. Art metal work. 585
719. Sahei Doi, Tokyo. Copper vases. 585
720. Saijirö Nomori, Toyama. Art metal work. 585
721. Sakujiro Nakano, Toyama. Art metal work (incense burner). 585
722. Sanemon Ohashi, Toyama. Art metal work; flower vases, incense burner, etc. 585
723. Satarö Kaji, Aichi. Cloisonne ware. 586
724. Seisuke Ikeda, Kyoto. Art metal work. 585
725. Seisuke Ikeda, Kyöto. Cloisonne ware. 586
726. Seizirö Shöami, Okayama. Frame. 585
727. Sentarö Satö, Kanagawa. Cloisonne ware. 586
728. Seizaburö Kodama, Nagoya. Cloisonne ware. 586
729. Seizaburo Takakawa, Toyama. Art metal work, flower vases; card receivers. 585
730. Seizaburo Tekebe, Toyama. Art metal work; incense burners. 585
731. Seizaburo Yoshikubo, Toyama. Art metal work. 585
732. Shibatarö Kawade, Nagoya. Cloisonne ware. 586
733. Shichiho Inaba, Kyöto. Cloisonne ware. 586
734. Shinji Kugitani, Kumamoto. Art metal work. 585
735. Shimetarö Kumeno, Nagoya. Cloisonne ware. 586
736. Shirözaemon Suzuki, Kanagawa. Cloisonne ware. 586
737. Shyöichirö Nishimura. Art metal work. 585
738. Shyöjirö Okazaki, Tökyö. Artmetal work. 585
739. Shyöbei Tomiki, Nagoya. Cloisonne ware. 586
740. Shoichiro Kobayashi, Tökyö. Copper ware. 585
741. Shözaburö Godo, Kanagawo. Cloisonne ware. 586
742. Söshichi Shibayama. Art metal work. 585
743. Sosuke Namikawa, Tökyö.
 a Cloisonne ware. 586
 b Enamel ware. 587
744. Sotokichi Takakawa, Toyama. Art metal work (flower vases). 585
745. Tadamasa Hyashi, Tökyö.
 a Art metal work. 585
 b Cloisonne ware. 586
746. Tadasaburö Hattori, Nagoya. Cloisonne ware. 586
747. Tadeichi Shiwotsu, Shimane. Cuff buttons. 585
748. Taketaro Takeda, Toyama. Art metal work; flower vases. 585
749. Takisaburö Tsukamoto, Nagoya. Cloisonne ware. 586
750. Takuzo Otsuka, Tokyo. Art metal work. 585
751. Tarobei Yamanaka, Osaka. Art metal work. 585
752. Tatsukichi Ebata, Ibaraki. Art metal work; incense burner. 585

Art Metal Work, Enamels, Glass and Glassware, Carvings in Various Materials.

753. Tatsutaro Takemura, Toyama. Art metal work; incense burners. 585
754. Tetsugoro Kato, Tokyo. Art metal work. 585
755. Tokichi Nakahashi, Toyama. Art metal work. 585
756. Tokumatsu Chimura, Kanagawa. Cloisonne ware. 586
757. Tokuzo Otsuka, Tokyo. Cloisonne vases. 586
758. Tomojiro Kaji, Toyama. Art metal work; incense burners. 585
759. Toramatsu Suzuki, Nagoya. Cloisonne ware. 586
760. Torasaburō Abe, Nagoya. Cloisonne ware. 586
761. Toshimitsu Yano, Tokyo.
a Art metal work. 585
b Cloisonne ware. 586
762. Toyosaburō Sano, Kyōto. Cloisonne ware. 586
763. Toyoshirō Itō, Nagoya. Cloisonne ware. 586
764. Tsunekichi Ogawa, Tokyo. Art metal work. 585
765. Tsunesaburō Yoshioka, Hiroshima. Art metal work. 585
766. Uichi Sekizawa, Toyama. Art metal work. 585
767. Uichi Sekizawa, Toyama. Art metal work. 585
768. Unosuke Nakamura, Osaka. Art metal work. 585
769. Ushisaburo Miyabe, Kyoto. Art metal work. 585
770. Yahei Ozeki, Tokyo. Art metal work. 585
771. Yajirō Kagawa, Tōkyō. Cloisonne ware. 586
772. Yaroku Suzuki, Nagoya. Cloisonne ware. 586
773. Yasuhei Tanabe, Kumamoto. Incense burner. 586
774. Yasutarō Futatasuka, Toyama. Art metal work. 585
775. Yasuyuki Namikawa, Kyōto. Cloisonne ware. 586
776. Yohei Iwata, Hyogo. Bronze ware. 585
777. Yohei Kawaguchi, Tokyo. Art metal work. 585
778. Yoichi Kagawa, Shimane. Chased metal work. 585
779. Yosaburō Honda, Aichi. Cloisonne ware. 585
780. Yosaburō Honda, Nagoya. Cloisonne ware. 585
781. Yoshichirō Masuda, Toyama. Art metal work. 585
782. Yoshitearō Kawano, Kanagawa. Cloisonne ware. 586
783. Yososhichi Nakasugi, Toyama. Art metal work. 585
784. Yoshimori Kanaiwa, Toyama. Art metal work (ornamental article). 585
785. Zenroku Fujita, Toyama. Art metal work. 585
786. Zenshichi Kyōi, Toyama. Art metal work. 585
787. Zenshichi Morimoto, Nagoya. Cloisonne ware. 586
788. Zenshirō Yoshida, Nagoya. Cloisonne ware. 586
789. Zensuke Tsukahara, Toyama. Art metal work (flower vases, incense burners). 585
790. Zimbei Tsukamoto, Nagoya. Cloisonne ware. 586

GROUP 94.

791. Magoichi Shimada, Ōsaka. Glassware. 592
792. Shingirō Tanaka, Osaka. Decorated glass and tumblers. 592

GROUP 96.

793. Biun Nishimaki, Tōkyō. Wood carving. 598
794. Chozaburo Yamada, Ishikawa. Copper articles. 601
795. Chozo Watanabe, Kanagawa. Carved copper work. 601
796. Chyokichi Suzuki, Tokyo. Copper incense burner; vases. 601
797. Chyujiro Izumi, Shiga. Carvings. 598
798. Denkichi Ikeda, Tokyo. Ivory carving. 599
799. Doki-Kaisha, Ishikawa. Flower vases; incense burners (copper). 601
800. Dosan Asahi & Eizo Okioka, Tokyo. Carved woodwork. 598
801. Eisho Kurokawa, Tokyo. Incense burner. 601
802. Eisuke Jyomi, Kyoto. Metal carving and chiseling. 601
803. Eisuke Miyao, Tokyo. Metallic carving. 601
804. Eizaburo Omiri, Ishikawa. Carved woodwork. 598
805. Fusagoro Kohara, Osaka. Wood carving. 598
806. Fusakichi Nakaya, Osaka. Wood carving. 598
807. Gennojyō Yoskida, Kyōtō. Wood carving. 598
808. Genroku Mizuno, Ishikawa. Metal carving and chiseling. 601
809. Gihei Honho, Toyama. Wood carving. 598
810. Ginziro Swanada, Tokyo. Ivory carving. 599

Carvings in Various Materials.

811. Gitaro Honho, Toyama. Wood carving. 598
812. Gorosaburo Kanaya, Kyoto. Metal carving and chiseling. 601
813. Hakuzitsu Ono, Tokyo. Ivory carving. 599
814. Hanbei Koshino, Ishikawa. Metal work. 601
815. Hanun Hashii, Tottori. Carved work. 598
816. Hatsu Asahi, Tokyo. Carved woodwork. 599
817. Hideaki Tsukada, Tokyo. Metallic work. 601
818. Hikobei Tomie, Kyoto. Copper ware. 601
819. Hikokuro Miyasaki, Ishikawa. Flower vases; plaque (copper). 601
820. Hisaichi Takeuchi, Tōkyō. Wood carving. 598
821. Hisamitsu Yano, Tōkyō. Card cases. 598
822. Hoen Okawa, Tokyo. Metallic carving and chiseling. 601
823. Hyokichi Honho, Toyama. Wood carving. 598
824. Ichimatsu Ōno, Ōsaka. Wood carving. 598
825. Ichiraku Matsumoto, Tokyo. Metallic work. 601
826. Ichitarō Morimura, Tōkyō.
 a Wood carving. 598
 b Sculpture in porcelain. 603
827. Ihei Fujiwara, Osaka. Ivory inro. 599
828. Issei Hasegawa, Tokyo. Card receiver. 598
829. Isshi Hashimoto, Kyoto. Metal carving and chiseling. 601
830. Issyu Sato, Tokyo. Metallic work. 601
831. Jiemon Miyachi, Ishikawa. Ornament. 601
832. Jiromatsu Kashida, Ishikawa. Incense burner; plaque (copper). 601
833. Jyunosuke Arakawa, Shimane. Wood carved ornament. 598
834. Jyutaro Hirata, Tokyo. 601
835. Kahei Shimaseki, Tokyo. Metallic work. 601
836. Kambei Takagi, Tokyo. Ivory carving. 599
837. Kambei Takagi, Tōkyō. Wood carving. 598
838. Kamataro Goto, Kanagawa. Carved woodwork. 598
839. Kametaro Adachi, Shimane. Wood carving. 598
840. Kanejiro Kaneda, Tokyo. Ivory carving. 599
841. Kansai Trading Company, Kyōtō.
 a Wood carving. 598
 b Ivory carving. 599
 c Bamboo carving. 600
 d Metal carving. 601
842. Kashichi Sano, Tokyo. Metallic work. 601
843. Katsuhiro Kagawa, Tokyo. Metallic carving and chiseling. 601
844. Katsujiro Tanida, Osaka. Ivory carving. 599
845. Katsusaburo Kitazawa, Kanagawa. Carved woodwork. 598
846. Katsuyoshi Ito, Tokyo. Card receiver. 598
847. Kennosuke Kihara, Tokyo. Metallic carving. 601
848. Kenzaburo Kurami, Ishikawa. Card receiver (copper). 601
849. Kichibei Inoue, Kyoto. Metal carving and chiseling. 601
850. Kichibei Nakamura, Tokyo.
 a Ivory cigar cases. 599
 b Metallic work. 601
851. Kichigoro Murata, Tokyo. Ivory carving. 599
852. Kichiji Watano, Ishikawa. Carved metal work. 601
853. Kichiji Watano, Kanagawa. Carved copper work. 601
854. Kichiemon Satō, Shizuoka. Bamboo work. 600
855. Kihachiro Noda, Tokyo. Flower vases. 601
856. Kihei Ishii, Tokyo.
 a Ivory carving. 599
 b Metal work. 601
857. Kiyoyuki Ozaki, Tokyo. Incense case. 601
858. Kimitaro Kaneda, Tokyo. Ivory carving. 599
859. Kintaro Sugiyama, Tokyo. Metallic work. 601
860. Kinzaburo Eguchi, Aichi. Wood carving. 598
861. Kisaburo Matsumoto, Hiroshime. Wood carving. 598
862. Kisai Yamada, Tōkyō. Wood carving. 598
863. Kisaku Honho, Toyama. Wood carving. 598
864. Kitaro Goto, Kanagawa. Carved woodwork. 598
865. Kitaro Mizutani, Ishikawa. Incense burner. 601
866. Koji Yamakawa, Ishikawa. Copper ware. 601
867. Koan Watanabe, Toyama. Carved wood ornament. 598
868. Kojiro Kobayashi, Tokyo. Ivory carving. 599

Carvings in Various Materials.

869. Komei Ishikawa, Tokyo. Carved woodwork. 598
870. Kosai Otsuka, Tokyo. Ivory carving. 599
871. Kosaku Yamakawa, Ishikawa. Ornament (copper). 601
872. Kötaku Shigezawa, Tökyö. Wood carving. 598
873. Kotaro Kumagai, Kyoto. Metal carving and chiseling. 601
874. Koun Takamura, Tokyo. Carved woodwork. 598
875. Koun Takamira, Tökyö. Wood carving. 598
876. Kumakichi Takenaka, Ösaka. Wood carving. 598
877. Kumejiro Tamai, Tokyo. Metallic carving. 601
878. Kuninosuke Soma, Tokyo. Carved woodwork. 599
879. Kunitaro Kaneda, Tokyo. Ivory carving. 599
880. Kuytaro Sano, Ishikawa. Plaque. 601
881. Magoemon Izuni, Shiga. Carving. 598
882. Man Shibahara, Tokyo. Metallic work. 601
883. Masaharu Matsumoto, Tökyö. Wood carving. 598
884. Masakichi Saito, Tokyo. Metallic carving and chiseling. 601
885. Masachika Ota, Tokyo. Metallic work. 601
886. Masayoski Koyano, Tokyo. Metallic work. 601
887. Matasaburo Morii, Tokyo. Metallic work. 601
888. Misaburo Tomizawa, Tokyo. Ivory carving. 599
889. Mitsuaki Ishikawa, Tökyö. Wood carving. 598
890. Mohei Hiratsuka, Tokyo. Incense burner. 601
891. Moichiro Arakawa, Shimane. Wood carved ornaments. 598
892. Morihachi Morishita, Ishikawa. Carved woodwork. 598
893. Morihachi Morishita, Kanazawa. Metal ornaments. 601
894. Naotaro Kiriyama, Ishikawa. Copper ware. 601
895. Natsuo Kano, Tokyo. Metal carving. 601
896. Nobuyoshi Watanabe, Kanagawa. Plaque. 601
897. Rando Miyata, Tokyo. Metallic carving. 601
898. Rikkei Oganem, Tokyo. Metallic work. 601
899. Rihei Okamoto, Kobe. Wood carving. 598
900. Rihei Shingaya, Kanagawa.
 a Carved ivory. 599
 b Metal work. 601
901. Ryoun Mitsuboshi, Tökyö. Wood carving. 598
902. Ryuhei Yokoyama, Ishkawa. Copper work. 601
903. Ryutaro Goto, Kanagawa. Carved woodwork. 598
904. Sadakichi Nomura, Tokyo. Metal carving and chiseling. 601
905. Sadanosuke Yasaki, Yokyo. Wood carving. 598
906. Sadayuki Gotö, Tökyö. Wood carving. 598
907. Sashichi Asada, Tokyo. Metallic work. 601
908. Sawazo Takenaka, Tottori. Bamboo carving. 600
909. Seiko Sawaki, Osaka. Ivory carving. 599
910. Sekka Shima, Osaka. Wood carving. 598
911. Seishyu Makino, Tokyo. Metallic work. 601
912. Seikichi Koyama, Tokyo. Metal carving. 601
913. Seizaemon Kato, Aichi. Wood carving. 598
914. Seizaimon Yonezawa, Ishika. Candlestick. 601
915. Seiziro Yonagawa, Tokyo.
 a Ivory carving. 599
 b Card receiver. 598
916. Senamtsu Adachi, Tottori. Carving. 598
917. Shinsuke Hayashi, Köytö. Wood carving. 598
918. Shinzo Yoshida, Tokyo. Metal carving and chiseling. 601
919. Shinzaburo Hashimoto, Tokyo. Ivory carving. 599
920. Shyöbei Ishiseki, Tökyö. Wood carving. 598
921. Shyoichiro Yamanaka, Tokyo. Copper work. 601
922. Shyomin Unno, Tokyo. Metal carving. 601
923. Shyotaro Okano, Kyoto. Metal carving and chiseling. 601
924. Shyotaro Tamari, Kagoshima. Bamboo incised work. 600
925. Shyunmei Shimamura. Carved woodwork. 598
926. Sojiro Kanezawa, Tokyo. Ivory carving. 599
927. Somin Okawa, Tokyo. Ivory carving. 599

Carvings in Various Materials, Gold and Silverware, Plate, Etc.

928. Sonosuke Hirata, Tokyo. Metallic work. 601
929. Soshichi Amemiya, Kyoto. Metal carving and chiseling. 601
930. Sozaburo Sumita, Ehime. Cane and screens. 598
931. Sukeji Kondo, Ibaraki. Metal carving. 601
932. Susuke Tanaka, Kyōto. Wood carving. 598
933. Taizen Nakanishi, Kumamoto. Carved bamboo root; flower vases. 600
934. Takeziro Okemoto, Tokyo. Incense burner. 601
935. Takejiro Kano, Tokyo. Bamboo carving. 600
936. Takijiro Kutsutani, Tokyo. Bamboo incised work. 600
937. Takuzo Otsuka, Tokyo. Metallic carving and chiseling. 601
938. Tamuro Okamoto, Ishikawa. Carved metal work. 601
939. Teijiro Ozeki, Kanagawa. Carved metal work. 601
940. Teikan Okawa, Tokyo. Metallic carving and chiseling. 601
941. Teishyo Namekawa, Tokyo. Incense burner. 601
942. Toen Morikawa, Kyoto. Carved woodwork. 598
943. Tomigoro Yotsugi, Tokyo. Ivory carving. 599
944. Tomokichi Fujitani, Ishikawa. Ornament. 601
945. Tokujirō Tatasuike, Kyōto. Wood carving. 598
946. Toranoyjo Izumi, Tokyo. Metal carving. 601
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1730. Seikichi Ida, Osaka. Drugget. 648
1731. Takuhei Tada, Tokushima. Woolen fabric, woven on cotton warps. 645
1732. Yakichi Kuribayashi, Hyogo. Hair fabric. 651
1733. Yoshibei Tonohori, Kyoto. Woolen fabric. 641
1734. Yoshitaro Yenoshima and four others, Tokushima. Woolen fabric, woven on cotton warp. 645
1735. Zempei Harigasane, Tokyo. Feather fabric. 651

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1736. Eitaro Iijima, Kanagawa. Straw hats. 654

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75. Masashichi Nakai, Hyogo. Bamboo work. 695
76. Minoru Kishida, Hyogo. Hanging pictures. 695
77. Mosuke Kuroda, Nagoya. Lacquer work. 695
78. Nihei Yamada, Osaka. Toys. 693
79. Ninichi Okada, Tokyo. Fancy articles. 695
80. Oho Igarashi, Hyogo. Picture frames. 695
81. Rihei Okamoto, Huogo. Lacquer vase. 695
82. Rihei Suzuki, Fukushima. Lacquer work. 695
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86. Seijiro Misaki, Kyoto. Toys and fancy articles. 693
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89. Senzö Nakagawa, Shizuoka. Lacquer work. 695
90. Shigeji Iwamoto, Hyogo. Hanging pictures. 695
91. Shöbei Echigo, Akita. Lacquer work. 695
92. Shöjurö Ishioka, Akita. Lacquer work. 695
93. Shotaro Ohashi, Hyogo. Screens and hanging pictures. 695
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2005. Tazö Morita, Nara. Lacquer ware. 695
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2031. Zenjirö Suzuki, Fukushima. Lacquer work. 695
2032. Zenshichi Matsumoto, Hyogo. Screens. 695

2033. Zensuke Komae, Toyama. Lacquer ware. 695

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2036. Iemon Sato, Tokyo. Leather work. 705
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2038. Kocchiro Yura, Osaka. Curried leather. 698
2039. Kokichi Tanaka, Tokyo. Leather work. 705
2040. Nagasaki Leather Manufacturing Company, Nagasaki. Leather. 697
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2065. Kanjiro Machida, Ibaraki. Cake tray. 730
2066. Kichimatsu Sugimoto. Osaka. Feather brooms and screens. 730
2067. Kisaburō Natsumoto, and nine others. Hiroshima. Dishes, trays, flower vases etc. 730
2068. Kyuemon Yazawa, Shizuoka. Tray (fern work). 730
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2080. Nizaemon Koizumi, Iwate. Iron pots. 732
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NORWAY.

LOCATION—K. NORTH.

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8. Borgersen, B., Svelvig. Wood carving. 598
9. Dagestad, Magnus M., Hardanger. Carved articles. 598
0. Djupvik, Hans, Strandvik. Box and breastpin. 598
:. Jacobsen, Edward, Lesjeskogen. Boxes. 598
2. Kinservik, Lars T., Hardanger. Wood carvings. 598
3. Lofthnus, Johs., Hardanger. Boxes, card receiver, etc. 598
4. Norsk Husflids Skole, Liadalen. Wood carvings. 598
5. Nystog, Tollef O., Telemarken. Drinking horn. 598
16. Sjothum, Nils, Hardanger. Tankard, box and frame. 598
17. Skaaltveit, Guthorm, North Hardanger. Wood carvings. 598
18. Sundvold, Erland O., Vinje, Vosse-Stranden. Wood carvings. 598
19. Tvedt, Johannes, Hardanger. Wood carvings. 598
20. Utne, Sjur Oddsen, Hardanger. Wood carvings. 598

GROUP 97.

21. Andersen, David, Christiania.
    a Gilt enameled coffee services; lamps. 604
    b Silver tableware. 605
    c Fancy articles. 607
22. Gunnene, Torchel A., Gvarö, Skien. Drinking cups; tin tankard, etc. 608
23. Hammer, M., Bergen.
    a Gilt tableware. 604
    b Silver tableware. 605
    c Spoons; fancy articles. 607
24. Rudström, J. A., Fredrikstad. Candelabra, tankard and chalice. 608
25. Tostrup, J., Christiana.
    a Gilt tableware. 604
    b Fancy articles. 607

GROUP 98.

26. Andersen, David, Christiania.
    a Gold ornaments. 612
    b Diamond jewelry. 613
    c Filigree jewelry. 616
27. Hammer, M., Bergen.
    a Ornaments and antique silver ware. 612
    b Filigree jewelry. 616

28. Tostrup, J., Christiania.
 a Gold ornaments. 612
 b Filigree jewelry. 616

GROUP 99.

29. To, Kristian Olsen, Talemarken. Silver watches. 617

GROUP 101.

30. Norsk Husflids Skole, Liadalen. Hammocks. 633
31. Norsk Husflids Skole, Liadalen. Articles made from root fibres and straw. 635

GROUP 103.

32 Bekhus, Johanne, Rawland, Telemarken. Home-woven rugs. 649
33. Berg, Hans, Stenkjier. Dyed homespuns. 649
34. Hauglan, Kjerstina, Traesvig. Home woven rugs. 649
35. Prahl, Hildur, N., Bergen. Home woven rugs. 649

GROUP 104.

36. Gunnene, Torchel A., Gvaro. National costumes. 653
37. Hallen, Brodrene, Christiania. Gloves. 657
38. Helland, Gunhild, Telemarken. National costume. 653
39. Sundt & Co., Bergen. National costumes. 653

GROUP 106.

40. Drivdahl, Marie, Christiania. Art embroidery. 669
41. Hansen, Fritze, Fredrikshald. Embroidered handkerchief. 665
42. Holm, Dorthea, Molde. Frame of leather work. 666
43. Holm, Lina, Stavanger. Artistic embroideries. 669
44. Maakestad, Guro Larsen, North Hardanger. Embroideries. 665
45. Naesheim, Brita, Hardanger. Afghans and embroidery. 665
46. Norsk Husflids Skole, Liadalen. Embroideries. 66[illegible]
47. Olson, Kristian, Telemarken. Embroidery. 65[illegible]
48. Skaaltveit Britha T., North Hardanger. Embroidery. 66[illegible]
49. Thrane, Ragnhild, Christiania. Imitation Gobelin hanging. 67[illegible]
50. Tvedt, Brita, Hardanger. Embroidery. 66[illegible]
51. Wesenberg, Signy, Bergen.
 a Embroidery. 665
 b Art embroidery. 669

GROUP 107.

52. Norsk Husflids Skole, Liadalen. Brushes. 673

GROUP 110.

53. Norsk Husflids Skole, Liadalen, Christiania. Hand-painted articles. 695
54. Olson, Kristian, Telemarken. Dolls. 695

GROUP 112.

55. Bergen Committee, Bergen.
 a Dressed catfish skins seal skins. 696
 b Seal leather. 702
56. Bruhn, E. C., Trondhjem. Calfskins and sheepskins. 696

GROUP 113.

57. Hagen, L. H., & Co., Christiania.
 a Rifles. 714
 b Snow-shoes; skates. 718
58. Olson, Kristian, Telemarken. Powderhorn, etc. 718

GROUP 115.

59. Remmen & Madsen, Kragero. Stoves. 7[illegible]

GROUP 121.

60. Hesteskosomfabrik Dennorske, Christiania. Horseshoe nails. 752
61. Aktiebolaget Hermes, Christiania. Automatic blanket unrolling apparatus.
62. Andersen, Johs, Christiania. Mud protector.

SIAM.

Cereals, Sugar, Potatoes, Dairy Products, Etc.

DEPARTMENT A.

GROUP 1.

1 Rice of various kinds. 6

GROUP 2.

2. Biscuits of rice, lotus, sweet pea, grass root, etc. 14

GROUP 3.

3. Sugar. 18

GROUP 4.

4. Potatoes, stock roots, etc. 28

GROUP 6.

5. Dried fish, meats and fowl. 36

GROUP 8.

6. Siamese cigars. 52
7. Tobaccos. 51

GROUP 9.

8. Cotton. 53
9. Hemp. 59
10. Silk. 61

GROUP 16.

11. Agricultural implements and farmers' tools. 84

GROUP 17.

12. Bones, tortoise shells, etc. 90
13. Elephants, tusks, plain and carved, buffalo horns, deer antlers, wild cows' horns, rhinoceros' horns, ceroulus' horns, horn of chelonia, etc. 90

DEPARTMENT B.

GROUP 21.

14. All varieties of Siamese fruits in wax and in paintings. 138
15. Jams. 141
16. Preserved and candied fruits. 140

GROUP 22.

17. Flowers in wax. 171

GROUP 24.

18. Vegetables and fruit seeds. 180

DEPARTMENT D.

GROUP 38—CLASS 254.

19. Casting, circular, square, scoop, drag, stationary and "soom" fish nets; trapping, etc., standing, cap-shaped and washing baskets; funnel, and other traps; weirs, spears, eel forks, harpoons, tridents, pawn scoops, hooks, rods, and lines, and basket fence. 254

GROUP 40.

20. Shell and horn work. 278

DEPARTMENT E.

GROUP 42.

21. Gold, tin, iron and other ores; rubies, sapphires and other gems. 291

DEPARTMENT G.

GROUP 85—CLASS 528.

22. **Boats (Models).** His Majesty's barge, state barges, nobleman's boat, gondola, waat boats, Lampanee boat, pet boats, and all kinds of fishing and pleasure craft.

DEPARTMENT H.

GROUP 89.

23. Six rolls of plow paper and 78 Khoi books.

GROUP 90.

24. Hat racks. 567

GROUP 91.

25. China rice bowls and covers, full sets of rice and curry bowls, sets of perfumery cups and covers, sets of powder cups and covers, sets of tea cups and spittoons. 576
26. Earthen goblets, jugs, mortars, etc. 567

GROUP 94.

27. Fancy scent bottles. 593

GROUP 96.

28. Carvings of chess men, boxes, brushes, animals, cigar stands, and figures in ivory, wood, etc.

GROUP 97—CLASS 604.

29. **Metal Work, Red Gold Articles.** Spittoons, tea pots and trays, saucers, cups, bowls, jugs, betel boxes and betel services, set with diamonds, spittoons set with diamonds.
30. **Gilded.** Water bowls, trays and cups, betel sets and boxes, tea tray, medicine cups, belts and spittoons.
31. **Gilded and Enameled in Blue.** Water bowls, goblets, trays and covers, tea pot and tray, betel boxes and sets, toilet trays and set, cigar cases.

CLASS 607.

32. **Silver Articles.** Rice bowls and covers, laos bowls, betel trays and sets, tea trays, spittoons, water bowls, urns, pots, cups and covers, vases, belts, toilet service, picnic case and snuff box.

CLASS 608.

33. **Enameled, Gilded, etc.** Bowls, ladle, salvers, urns, water pitchers, toilet sets, betel sets, spittoons, basins, vases, cigarette case, medicine cup and tray.
34. **Brass Utensils.** Bowls and trays, fruit knives, seed picks, spittoons, eating services, water bowls and dippers, betel mortars and pestles, engraved bowls and trays, rice pots and ladle.
35. **Copper Utensils.** Rice pots, cake pans and water pots.
36. **Pearl Inlaid Work.** Salvers, sacrificial trays, boxes, plaques, betel trays, spittoons, medicine chest, inlaid tablets, bowls, and cases.

CLASS 575.

37. **Pottery.** Earthen stove pots, pans, mortars, figures of animals, flower pots and sets of perfumery pots.

CLASS 635.

GROUP 101.

38. **Mattings.** Forty-eight mats of various sizes and materials.

GROUP 108.

39. Laos umbrella. 682

GROUP 110.

40. Lacquered boxes and bowls. 695

GROUP 111.

41. Tiger, leopard, deer, buffalo, cow, otter, armadillo, python, rays, rhinoceros and rabbit skins. 696

GROUP 113.

42. Siamese bow. 718

GROUP 119.

43. Gold-beaters' anvils and hammers, shears, tongs, wire mould, files, iron plane, knives for cutting and hulling the betel nut and for other uses.

DEPARTMENT L.

GROUP 151.

44. Collection of photographs and views. 871

GROUP 154.

45. Specimen sets of Siamese money. 897

GROUP 158.

46. Guitar, drums, tambourine, violins, gongs, cymbals, oboe, organ and harmonicas.

DEPARTMENT N.

GROUP 19.

47. **Siam.** Wax, etc.; shellac, cardamon, resinous exudations, dye woods, gum, Benjamin, gall nuts, bird's nest, various roots, teak boards, knot of pradoo wood, burrel of Tabaak wood, specimens of Pradoo burrel, board of tamarind wood, end of squared teak log, log of Chingchan wood, marit wood, teak table logs, jack fruit wood, thirty specimens of Siam timber.
48. **Rattan Woods.** Varieties of rattan in coils, bundles, etc., and canes, rattan covers for glass.
49. **Bamboo Woods.** Fourteen varieties of bamboo woods and wood-working tools.
50. **Basket Work.** Trays, salvers, cigar stands, betel and tobacco boxes and 134 specimens of hamper, betel, market, rice, Burnese, flower, string, plat betal, drying deep and clothes baskets.
51. Native trees in wax. 113

GROUP 160.

52. **Siam.** Models of household utensils; models of houses; models of floating houses; models of palace landing forts and palace landing building; priests' fans, bags and garments.

Furniture and Clothing of Partly Civilized Races, Woman's Work.

3. **Malay Clothing.** Silk trousers, turban cloths, and silk jackets for men and women.
4. **Song Dam Laos.** Cotton scarfs and jackets for men and women; trousers.
5. **Luang Prat Bang Laos.**—Gold-threaded scarfs, skirts, quilts, bedspreads, and turban cloths.
6. **Puan Laos.** Men's and women's costumes.
7. **Lu Laos.** Woman's skirt, man's jackets and trousers, laos bags and napkins.
8. **Chiengmai Laos.** Gold embroidered and common skirts.
9. **Mons.** Indian hemp, raw and spun; various cloths, skirts, aprons, jackets, shoes and cap.

GROUP 172.

0. **Needle work.** Pillows, folding cushions, raised gold embroidery, tea cozs, silk Caps, silk embroidered standing Screens, silk hat covers, priest's bag and embroidered fruits, flowers, arms and historical scenes.
1. **Clay Modeling.** Women crouching, old woman, boys in costumes, girls in costumes, girls standing, man in holiday dress, old woman with cane, man sitting, man in shirt-sleeves, peasant, blind beggars, Chinese cooly eating, Chinaman at table, young woman on floor, old woman, boys, Siam, Chin boys, bracelets, etc., ornamental wall piece, table piece (shells), wall piece (quarrel), beggar and monkey, man and axe, plates of fish, plates of frogs, plates of birds, plates of chameleons, white rabbit, leopard, pair buffaloes, pair oxen, cat, small gold and silver articles and rings.
62. **Wax.** Model of a palace.
63. **Bead work.** Baskets, betel tray and set of nine pieces, tea cozy, biscuit box, bucket, small cups, flowers, game, photograph frames, chess board and set and saka board and set.

. **Silk Clothing.** Panungs of silk, gold and embroidered and gold and silver threaded, panungs, silk sarongs, chantaboon, silk bed spreads, creased scarfs, silk scarfs, bathing clothes, a prince's gold and silver state robe girdle, silver and gold pantalettes, nobleman's robe, girdle and doublets, princess' shawls the queen's scarf, silk and gold lace shawls, silk crape rajkots, red silk girdles, children's silk belts, gold-threaded money bags, betel pockets, gold lace aprons, tobacco pouches, gold lace bat cover.

SWEDEN.

Druggists Supplies, Paints, Colors, Dyes, Varnishes, Typewriters, Stationery.

GROUP 87.

1. **Jönkjöpings Tändsticksfabriks Aktiebolag,** Jonkoping. Matches and materials. 550
2. **Kritbruksbolaget i Malmo, Malmo.** Chalk. 544
3. **Skanaka Attikfabriken, Perstorp.**
   a Organic and mineral acids. 543
   b Chemists' and druggists' wares and supplies. 548
4. **Sodertelje Tandsticksfabrik, Sodertelje.** Matches. 550
5. **Tandsticksfabriks Aktiebolaget Vulcan,** Gothenburg. Matches and flaming lights. 550

GROUP 88.

6. **Aktiebolaget Barmangens Tekniska** Fabrik, Stockholm. Inks. 552
7. **Tekniska Aktiebolaget Flora i Gefle,** Gefle. Inks. 552

GROUP 89.

8. **Anderson. N. B.,** Stockholm. Book-covers. 561
9. **Beck, F., & Son,** Stockholm. Articles of leather-intarsia. 561
10. **Engstrand, Sophie,** Stockholm. Samples of ruling, type-setting and hand printing. 561

11. **Gustafsfors Fabrikens Aktiebolag,** Gustafsfors. Wrapping paper. 558
12. **Hedberg, Gustaf, Stockholm.** Leather book-covers, cases, etc. 561
13. **Herzog's, P., Bokbinderi och Bokforlags Aktiebolag,** Stockholm. Bound hymn-books. 561
14. **Holmens Bruks & Fabriks Aktiebolag,** Norrkjöping. Paper. 560
15. **Lindmansson, J. A. W., Stockholm.** Book-covers. 561
16. **Munksjo Aktiebolag, Jönkjöping.**
    a Building boards and paper. 557
    b Wrapping paper. 558
17. **Munktells, J. H., Pappersfabriks** Aktiebolag, Grycksbo. Filter-paper; samples and pulp. 556
18. **Nilsson, Vitalis, Stockholm.** Specimens of book-binding. 561
19. **Tengwall, Andr., Helsingborg.** Letter-file, index, and copying book. 564

GROUP 90.

20. **Ahrberg, Ebba, Upsala.** Curtains. 568
21. **Andersson, Aug., Stockholm.** Mirror and picture frame. 569
22. **Aktiebolaget, J. O., Wengstroms** Mekaniska Snickerifabrik, Stockholm. Parquet floor and panel. 571
23. **Almgren, J. R., Stockholm.** Secretaire and fire-side settle. 567
24. **Atvidaberg Snickerifabrik, Atvidaberg.** Oak parquet floors and panel. 571
25. **Beckman, Axel, Norrkjöping.** Furniture. 567
26. **Berg, Edv., Stockholm.** Painted ceiling. 571
27. **Bodafors Stol och Mobelfabrik,** Sandsjo. Furniture. 567
28. **Brunsson, Johanna, Stockholm.** Portiere and table cover. 568
29. **Erikson Bros., Arvika.** Wardrobe and covered writing table. 567
30. **Gahne Hedda, Stockholm.** Curtains and technics. 568
31. **Goransson, Ellen, Ystrad.** Scanian textile fabric. 568
32. **Johansson, C. A., Wexio.** Chest of drawers of antique design. 567
33. **Johansson, Carl O., Stockholm.** Furniture. 567
34. **Kulle, Thora, Lund.** Portieres, tapestries, etc., of Scanian textures and designs. 568
35. **Lofgren, A. W., Orebro.** Cabinet in renaissance style. 567
36. **Lofmark, L. O., Stockholm.** Cabinet, clock case, panels, etc. 572
37. **Mattsson, A., Stockholm.** Furniture. 572
38. **Olsson, Cilluf, Kjeflings.** Portieres etc., of Scanian texture and design. 56
39. **Scholander, Sv., Stockholm.**
    a Plaster mantel-piece. 57
    b Stucco ceiling. 57
40. **Scholdstrom, Otto, Stockholm.** Furniture. 56
41. **Schönow, C. L., & Co., Stockholm** Plaster-work and gilded door and panel 67
42. **Svensk Konstslojd Utstallning, Stockholm.**
    a Furniture in sixteenth century style 65
    b Portiers, etc. 568
43. **Svenska Stajdforeningen, Stockholm.** Suites of furnished rooms, showing development of art industry. 572
44. **Svensson, C. P., Stockholm.** Book and clock cases; sofa. 572
45. **Widen, C. O. F., Stockholm.**
    a Writing table. 566
    b Church altar. 572

GROUP 91.

46. **Bellio, Antonio, Stockholm.** Table-top of mosaic work. 580
47. **Ekstam, Josephine, Stockholm.** Painted porcelain; pyrotypic ornamented objects. 577
48. **Hoganas Stenkolsbolag, The Sound.**
    a Brick and terra cotta articles. 574
    b Pottery. 575
    c Fancy articles. 576
49. **Kardell, Maria, Stockholm.** Porcelain vase. 577
50. **Kohler, T. G., Borringe.** Bricks and and ornamental tiles. 574
51. **Minnesbergs Tegelbruks Aktiebolag,** Minnesberg. Bricks and terra cotta ware. 574
52. **Rorstrands Aktiebolag, Stockholm.** Earthenware; porcelain, etc. 576
53. **Skromberga Stenkols & Lercindustri** Aktiebolag, Ekeby. Tiles and bricks; ornaments; pipes and chimneys. 574
54. **Wallakra Stenkols Aktiebolag, Billesholm.** Fire-bricks. 574

GROUP 92.

55. **Gossaters Stenhuggeri Aktiebolag,** Gossater. Mantel. 583
56. **Grafversfors Stenhuggeri och Sliperi,** Grafversfors.
    a Granite monuments. 581
    b Granite ornaments. 582
57. **Lundberg, Th., Stockholm.** Mantel decoration. 583
58. **Melkerssons, J. A., Porfyrverk, Orsa.** Porphryry ornaments. 582

GROUP 93.

9. Beskow, Bernhard, Gothenburg. Buckler. 585
0. Carlstein, P. A., Soderkoping. Brass lamp and bronze ornaments. 585
1. Husgvarna Vapenfabriks Aktiebolag, Jönköping. Decorative arms. 585
2. Norrstrom, C., Hj., Stockholm. Vases, bucklers and cabinets with steel etchings. 585
3. Wiklund, W., Stockholm. Iron bracket lamps. 585

GROUP 94.

4. Reijmyre Bruks Aktiebolag, Reijmyre.
   a Glassware for chemists. 590
   b Table glassware. 592
   c Fancy glassware. 593

GROUP 96.

5. Aktiebolaget Universal-Svarfveriet, Stockholm. Carved umbrella and parasol handles. 598
6. Aman, Emy, Linköping. Carved cabinet. 598
7. Dikman, August, Falun. Carved wood album. 598
8. Düben, Hertha Louisa von, Stockholm. Wood carving. 598
9. Frisk, Elisabeth, Stockholm. Cabinet and easel with portfolio. 598
0. Johnsson, Hanna, Stockholm. Carved chest, album and portfolio. 598
1. Monthan, Maria, Stockholm. Carved chair and chest; carved wood articles. 598
2. Netzel, Sigrid, Stockholm. Carved box. 598
3. Reijmyre Bruks Aktiebolag, Reijmyre. Exhibition cups for museums. 602
4. Söderberg, Euphemia, Stockholm. Carved box and portfolio. 698
5. Svensk Konstslojd Uttstallning, Stockholm. Carved articles. 598

GROUP 97.

6. Carlstein, P. A., Soderkoping. Silver toilet articles. 607
7. Eriksson, Christian, Arvika. Silver cup and cane head. 607
8. Green, C. E., Norregard. Fancy spoons and engraved articles. 607
9. Guldsmedsaktiebolaget, Stockholm. Silver tableware. 605
0. Hallberg, C. G., Stockholm.
   a Copy of cup given to Gustavus Adolphus by Nuremberg Protestants. 604
   b Toilet set and cups; historical spoons. 607
81. Menkaw, Anna, Stockholm. Drinking cup and goblets of copper britannia metal. 608
82. Mollenborg, Gustaf, Stockholm.
   a Gold and silver articles. 604
   b Silver tableware. 605
83. Santesson, Fr. Abr., Stockholm. Candle-sticks, drinking-cups, goblets, etc., of pewter and britannia metal. 608

GROUP 98.

84. Carlman, C. F., Stockholm. Collections of stars of Royal Swedish Orders of Knighthood. 616
85. Hallberg, C. G., Stockholm. Silver-gilt jewelry in Swedish national style. 616

GROUP 99.

86. Halda Tickurfabriks Aktiebolag, Svängsta. Watches and parts. Timing apparatus. 617
87. Linderoth, G. W., Stockholm. Clocks and chronometers. 621

GROUP 100.

88. Almgren, K. A., Stockholm. Upholstery silk. 629
89. Jonsson, Mrs. Hilma, Stockholm. Silk under-bodies. 630
90. Lennings, John Vafskola, Norrkjöping. Upholstery silk; silk wall covering. 629

GROUP 102.

91. Askenstrom, Catharina, Svenstorp. Unbleached cloth. 638
92. Brunsson, Johanna, Stockholm. Linen damask table cover. 639
93. Engestrom, Nina v., Upsala. Table-cloths, napkins, towels, aprons and carpet. 639
94. Handarbetets Vanner, Stockholm. Counterpanes. 639
95. Kulle, Thora, Lund. Cotton aprons. 638
96. Olsson, Christina, Walla. Linen yarn. 639
97. Olsson, Cilluf, Kjeflinge. Linen floor cloths. 639
98. Sparre, Caroline, Westervik. Linen yarn. 639
99. Sparre, Sophie, Westervik. Linen yarn. 639

GROUP 103.

100. Olsson, Cilluf, Kjeflinge.
   a Blankets. 642
   b Woolen carpet. 649
101. Handarbetets Vanner, Stockholm.
   a Upholstery goods. 646
   b Carpets. 649
102. Bengtsson, Karna, Ystad. Carpets, technics. 649

103. Kulle, Thora, Lund. Woolen stuffs; woolen aprons. 641
104. Lindegren, Annie, Stockholm. Carpets and technics. 649

GROUP 104.

105. Husgvarna Vapenfabriks Aktiebolag, Jönkjöping. Sewing machines. 659

GROUP 105.

106. Ternlund, A., Stockholm. Bear's skin. 660
107. Forssell's, D., Sons & Co., Stockholm.
a Carriage covers, fur rugs, etc. 661
b Fur garments. 662

GROUP 106.

108. André, Wilhelmina, Stockholm. Knitted coverlet. 665
109. Askenstrom, Catharina, Svenstorp. Scanian pillow-lace. 664
110. Fickerman, Lilli, Sköfde. Embroidered cushion and tablecloth. 665
111. Handarbetets Vanner, Stockholm.
a Embroideries. 665
b Tapestries. 670
112. Hebbe, Hulda, Stockholm. Artificial flowers. 666
113. Möller, Sara, Stockholm. Knitted shawls. 665
114. Nilsson, Emilie, Wermland. Linen towels; "shepherd girl's work." 665
115. Nordenfalk, Elisabeth, Stockholm.
a Imitation Venetian lace. 664
b Imitation Venetian lace fans. 667
116. Nordenfeldt, Maria, Gothenburg. Screen; silk embroidery. 669
117. Nordgren, Johanna, Gefle. Knitted counterpanes. 665
118. Norrman, Hilda, Gelfsborg. Hemstitched sheets. 665
119. Osterholm, A., Norrkjöping. Vadstena and pillow-lace. 664
120. Risling, Maria, Nassjo. Lace border for handkerchief. 664
121. Rönstrom, Hilda, Lund. Embroideries. 665
122. Rudbeck, Hildur, Upsala. Hearth cushion. 669
123. Stange, Elisabeth, Stockholm. Guipure workcloth. 665
124. Svensk Konstslojd Utstallning, Stockholm. Embroidery, Lapp-costume, wall hangings, table covers, cushions. 669
125. Uhlin, Ebba, Wadstena. Thread buttons. 668

GROUP 110.

126. Ekstam, Josephine, Stockholm. Fancy articles of wood and leather. 695
127. Kroeplien, Emma, Stockholm. Dol in national costumes. 69
128. Santesson, Fr. Abr., Stockholn Toys. 69

GROUP 111.

129. Lindberg, Lydia, Stockholm. Em bossed leather for chairs. 70
130. Nordquist, Marianne, Stockholm. Embossed leather album. 70
131. Wrede, Hilda, & Agathe, Wexio Embossed and gilt leather covering fo chair. 70

GROUP 113.

132. Aktiebolaget Bofors Gullspang, Bofors. Ingots and shot for cannon; wa materials. 71
133. Aktiebolaget Finspongs Styckebruk Skonnarbo. Mounted cannon and shot. 71
134. Fagersta Bruks Aktiebolag, Westan fors. Gun barrels. 71
135. Husgvarna Vapenfabriks Aktiebolag Jönkjöping.
a Military small arms. 71
b Hunting carbines and guns. 71
136. Jernkontarets Kollektivustallning, Stockholm.
a Military small arms. 71
b Heavy ordnance. 71
137. Svalling & Co., Mölntorp. Cut an thrust weapons. 71

GROUP 114.

138. Meyer, Otto, & Co., Stockholm. Can delabra of gilt bronze, and electrolier. 72

GROUP 115.

139. Svensson, J. V., Stockholm. Oi cooking range and soldering heater. 72
140. Wiman, E. A., Stockholm.
a Gas stove. 72
b Petroleum stove. 72

GROUP 117.

141. Aktiebolaget Finspongs Styckebruk Skonnarbo. Wire netting and wire cloth 73
142. Jernkontarets Kollektivutstallning Stockholm. Wire cloth. 73

GROUP 118.

143. Aktiebolaget Finspongs Styckebruk Skonnarbo. Horse shoes. 74
144. Degerfors Jernverk, Degerfors. Articles of sheet iron. 74
145. Jernkontarets Kollektivutstallning, Stockholm. Horse shoes and crude forgings. 74

Wrought Iron, Vaults, Safes, Hardware, Cutlery, Plumbing.

146. **Surahammars Bruk, Aktiebolag.** Bowls of pressed steel plates for milk separators, etc. 746

GROUP 119.

147. **Aktiebolaget Finspongs Styckebruk,** Skonnarbo.
   a Nails, tacks, etc. 747
   b Axes and implements for lumber industry. 748
   c Tools for working stone. 749
   d Files. 750
   e Sledges. 752
148. **Aktiebolaget Osterby Bruk, Osterby.** Blanks for machines and tools. 752
149. **Berg, E. A., Eskilstuna. Razors,** etc. 751
150. **Dahlgren, Carl W., Eskilstuna.** Scissors, razors and case knives; skates. 751
151. **Engstrom, Joh., Eskilstuna. Razors** and knives. 751
152. **Eskilstuna Jernmanufaktur Aktiebolag,** Eskilstuna. Table cutlery and shears. 751
153. **Fagersta Bruks Aktiebolag, Westanfors.** Sledges, springs and tools. 752
154. **Forsbacka Jernverks Aktiebolag,** Forsbacka. Tools. 752
155. **Hallstroms Hadar Kniffabriks Aktiebolag,** Eskilstuna. Pocket knives. 751
156. **Hadengran & Son, Eskilstuna.** Pocket knives. 751
157. **Halling, A., Eskilstuna. Daggers** and knives. 751
158. **Heljestrand, C. V., Eskiltuna.** Razors. 751
159. **Hults Bruk, Aby. Axes.** 748
160. **Jernkontarets Kollektivutstallning,** Stockholm.
   a Builders' hardware. 747
   b Axes, adzes, etc. 748
   c Edge tools of various descriptions. 749
161. **Jonsson, A. J., Eskilstuna. Pocket knives.** 751
162. **Liljequist, P., Eskilstuna.**
   a Blades for planing machines. 749
   b Saws. 750
163. **Lindstrom, E.F., Eskilstuna. Tongs.** 752
164. **Nœsman, E. A., Eskilstuna. Locks** and door handles. 747
165. **Oberg, C. O., & Co., Eskilstuna.** Files and rasps. 759
166. **Sandvikens Kernverke Aktiebolag,** Sandviken.
   a Band saws and uncut bands. 750
   b Anvils. 752
167. **Soderfors Bruks Aktiebolag, Soderfors.**
   a Files. 750
   b Tools. 752
168. **Sorensen, N. G., Stockholm. Locks** and door handles. 747
169. **Stenman, Aug., Eskilstuna.** Builders' hardware. 747
170. **Stora Kopparbergs Bergslags Aktiebolag,** Falun.
   a Horse shoe nails. 747
   b Tools. 752
171. **Stridsberg & Biorck, Trollhattan.**
   a Machine and plane knives. 749
   b Saws and files. 750
172. **Uddeholms Aktiebolag, Uddeholm.**
   a Screws, wire nails, steel springs, horse shoe nails, etc. 747
   b Sledges, hammers, locksmiths' anvils, etc. 752

GROUP 120.

173. **Hoganas Stenkolsbolag, Skone.** Pipes, tubes and troughs. 754
174. **Skromberga Stenkols Aktiebolag,** Ekeby. Sewer pipes. 754

GROUP 121.

175. **Strindberg, A. G., Stockholm. Flags** with flag-staffs and acorns.
176. **Liljeblad, A. G., Stockholm. Painted** escutcheons for decoration.

SWITZERLAND.

LOCATION—SEC. B, BLK. 1.

Druggists Supplies, Glass and Glassware, Stained Glass, carvings, Quarry Product

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1. Andrea, Ph., Berne. Pharmaceutical products. 547
2. Society of Chemical Industry, Basle. Chemicals. 546

GROUP 94.

3. Falconnier L., Ryon. Glass-bricks for building purposes. 591

GROUP 95.

4. Kreuzer, Ad., Zurich. Stained-glass windows. 596

GROUP 96.

5. Althaus & Cie, Meiringen. Wood carvin7s. 598
6. Abegglen-Seiler, Iseltwald. Wood carvings. 598
7. Adplanalp, Joh, Brienz, Wood carvings. 598
8. Abplanalp, Jakob, Brienz. Wood-carvings. 598
9. Amacher, Peter, Brienzwyler. Wood carvings. 598
10. Baumann, Andreas, Brienz. Wood carvings. 598
11. Binder, Ed., & Co., Brienz. Wood carvings. 598
12. Ecole de Sculpture, Brienz. Wood carvings. 598
13. Flück, Peter, Hafstetten. Wood carvings. 598
14. Fuchs, Caspar, Brienz. Wood carvings. 598
15. Fuchs, Peter, Brienz. Wood carvings. 598
16. Gander-Ludi, Brienz. Wood carvings. 598
17. Gertsch, Joh, Hofstetter. Wood carvings. 598
18. Grossman, A., Interlaken. Wood carvings. 598
19. Huggler-Jager, Brienz. Wood carvings. 598
20. Huggler, Joh., Brienz. Wood carvings. 598
21. Hunziker, Jak., Brienz. Wood carvings. 598
22. Knittel, Otto, Meiringen. Wood carvings. 59
23. Kehrli, Joh., Mühlestalden. Wood carvings. 59
24. Kehrli-Michel, Bönigen. Wood carvings. 59
25. Michel, Christian, Ringgenberg. Wood carvings. 59
26. Michel-Grossman, Brienz. Wood carvings. 59
27. Michel, Peter, Bönigen. Wood carvings. 59
28. Michel-Wütrich, Brienz. Wood carvings. 59
29. Müller, Karl, Hofstetten. Wood carvings. 59
30. Rachelli, Bönigen. Wood carvings 59
31. Roggero, Ernst, Brienz. Wood carvings. 59
32. Ruof, Peter, Brienz. Wood carvings 59
33. Schild, Gebrüder, Hofstetten. Wood carvings. 59
34. Schmidiger, Joseph, Brienz. Wood carvings. 59
35. Schmidiger, Anton, Brienz. Wood carvings. 59
36. Schneiter, Joh, Brienz. Wood carvings. 59
37. Schwalb, Brienz. Wood carvings. 59
38. Simon, Christoff, Brienz. Wood carvings. 59
39. Société pour l'Industrie de la Sculpture Brienz. Wood carvings. 59
40. Stahli, Kaspar, Brienz. Wood carvings. 59
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43. Zumbrunn, Peter, Ringgenberg. Wood carvings. 59

GROUP 44.

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45. Ferrero, J., Geneva. Jewelry. 61
46. Glatou, A., Geneva. Jewelry. 61

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Bæhni & Cie, Bienne. Hair Springs. 618
Baume, Alcide, Les Bois. Watches. 617
Borel & Courvoisier, Neuchatel. Vatches. 617
Borgel, F., Geneva. Watches. 617
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Boulanger, Maillard & Cie, Geneva. Vatch dials. 618
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Couleru-Meuri, Ch., La Chaux-de-'onds. Watches. 617
Dégallier, C., Geneva. Watches. 617
Ditisheim, Maurice, La Chaux-de-'onds. Watches. 617
Droz-Jeannot fils, Les Brenets. Vatches. 617
Droz & Cie, St. Imier. Watches. 617
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Francillon, Ernest, & Cie, St. Imier. Vatches. 617
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Milliet, C. A., Geneva. Mainsprings. 618
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Makers of fine, plain and complicated watches in 15 different sizes. For sale by Spaulding & Co. (incorporated), State and Jackson Streets, Chicago. Exclusive agents for Chicago.
83. Perret, Ulysse, Renan. Mainsprings. 618
84. Perrenoud, Z., & fils, La Chaux-de-Fonds. Watches. 617
85. Piguet, Guillaume & Cie, Le Sentier. Watches. 617
86. Redard, H., & fils, Geneva. Watches. 617
87. Richardet, frères, La Chaux-de-Fonds. Watch-hands. 617
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93. Vautier & fils, Geneva. Files. 620
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99. Zentler frères, Geneva. Watches. 617

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GROUP 117.

101. Schindler-Escher, C., Zurich. Bolting cloth for flour mills. 738

GROUP 119.

102. Grobet frères, Vallorbes. Files. 750

World's Columbian Exposition

1893

OFFICIAL CATALOGUE

PART XI.

Manufactures and Liberal Arts Building and Anthropological Building

Department L. LIBERAL ARTS

EDUCATION, ENGINEERING, PUBLIC WORKS, CONSTRUCTIVE ARCHITECTURE, MUSIC AND THE DRAMA

S. H. PEABODY, Chief

Edited by
The Department of Publicity and Promotion
M. P. HANDY, Chief

CHICAGO:
W. B. CONKEY COMPANY, PUBLISHERS
TO THE
WORLD'S COLUMBIAN EXPOSITION,
1893.

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THE WORLD'S COLUMBIAN EXPOSITION,

For the exclusive use of W. B. CONKEY COMPANY, Chicago.

This Catalogue presents the lists of exhibitors and exhibits as they were installed accepted for installation, according to information filed with the editor of the Catalogue at the time of going to press. Additional entries, withdrawals, or changes in location of exhibits, will be noted in a subsequent edition.

W. B. CONKEY COMPANY,
PRINTERS AND BINDERS
CHICAGO.

MANUFACTURES AND LIBERAL ARTS BUILDING.

DEPARTMENT OF LIBERAL ARTS.

Dimensions, 1,687 by 787 feet. Height of walls, 66 feet. Height of four center pavilions, 122 feet. Height of four corner pavilions, 97 feet. Height of roof over central hall, 237.6 feet. Height of roof-truss over central hall, 212.9 feet. Height clear, from the floor, 202.9 feet. Span of truss, 382 feet. Span in the clear, 354 feet. Width of truss at base, 14 feet; at hip, 32 feet; at apex, 10 feet. Weight of truss, 300,000 pounds; with purlines, 400,000 pounds. Ground area of building, 30.47 acres. Floor area, including galleries, 44 acres. Cost, $1,700,000. Material—17,000,000 feet of lumber; 12,000,000 pounds of steel in trusses of central hall; 2,000,000 pounds of iron in roof of nave. Architect, Geo. B. Post, of New York.

The building is rectangular in form, and the interior is divided into a great central hall, 380 by 1,280 feet, which is surrounded by a nave 107 feet wide. Both hall and nave have a 50-foot gallery extending entirely around them.

It is in the Corinthian style of architecture, and in point of being severely classic excels most of the other large edifices. The long array of columns and arches which its façades present is relieved from monotony by the grand entrances, which are designed in the manner of triumphal arches, the central archway of each being 40 feet wide and 80 feet high. Surmounting these portals is the great attic story, ornamented with sculptured eagles 18 feet high, and on each side above the arches are great panels with inscriptions. The spandrels are filled with sculptured figures in bas-relief. At each corner of the main building are pavilions designed in harmony with the great portals.

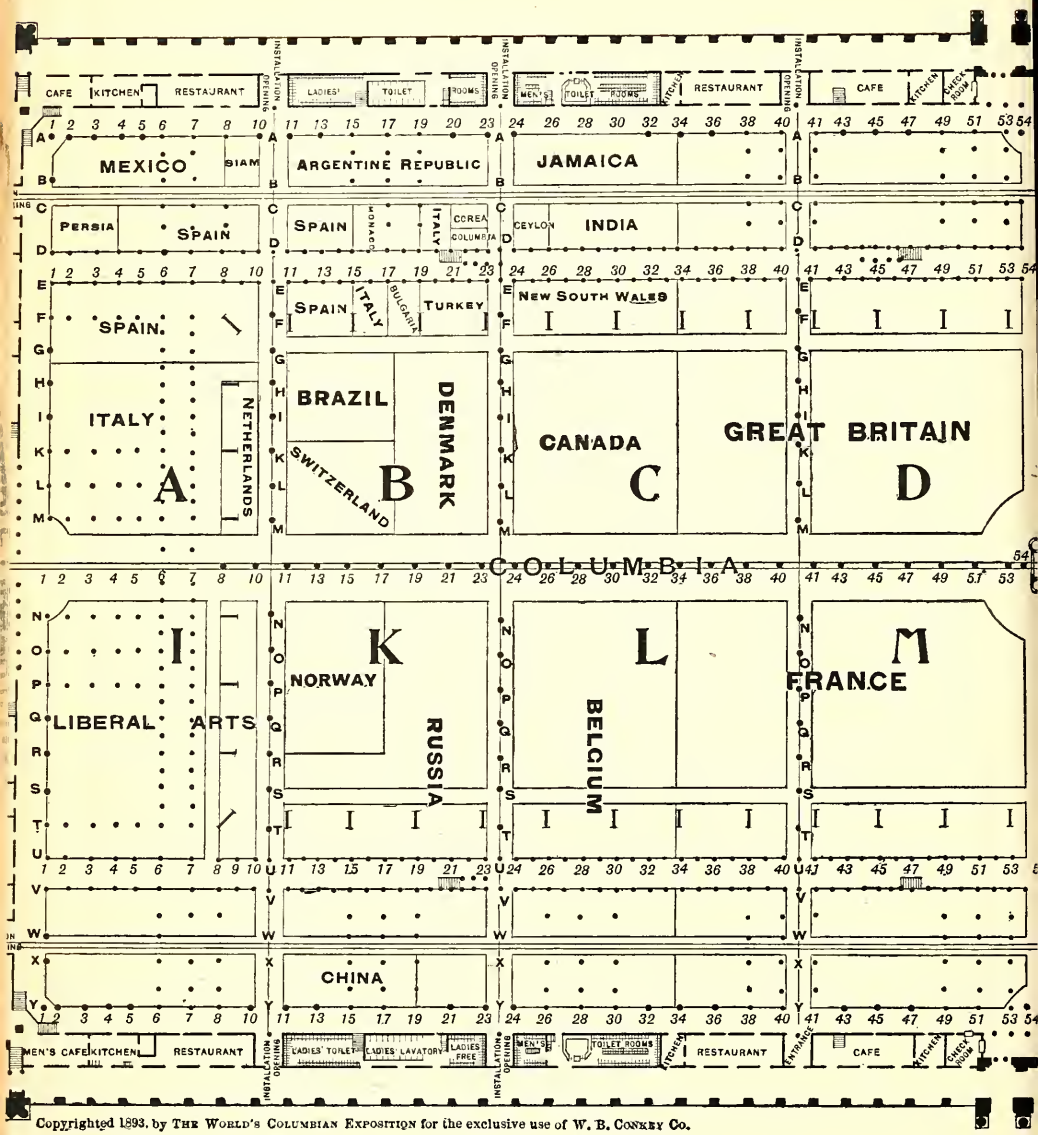
The domes on either side of the main archways, eight in number, are magnificently decorated by leading American artists, the subjects being allegorical figures representing the arts and sciences. Extending all around the building is a spacious colonnade nearly a mile long, which looks out upon the lake or lagoon, and forms a cool retreat for the tired sight-seers. The exterior of the building is covered with staff, which is treated to represent marble, and the columns and window arches are apparently of this material.

This building is the largest in the world, and is the largest under roof ever erected. Its unequaled size makes it one of the architectural wonders of the world. The central hall, which is a single room without a supporting pillar under its roof, has in its floor a fraction less than eleven acres, and 75,000 persons can sit in this room, giving each one six square feet of space. By the same arrangement, the entire building will seat 300,000 people. It is theoretically possible to mobilize the standing army of Russia under its roof. The Auditorium is the most notable building in Chicago, but twenty such buildings could be placed on this floor. There are 11 acres of skylights and 40 carloads of glass in the roof. There are 22 main trusses in the roof of the central hall, and it required 600 flat cars to bring them from the iron works to Chicago. These trusses are twice the size of the next largest in existence, which are 90 feet high and span 250 feet. The latter are in the Pennsylvania railroad station at Jersey City.

KEY TO INSTALLATION.

The exhibits in the Liberal Arts department occupy all of the gallery space, except Sections F and G, which are devoted to exhibits in the department of Manufactures. The Liberal Arts department also occupies Section I, in the southeast corner, on the main floor, where all musical instruments are installed. The sections in the gallery are lettered from A to K, for the purpose of locating exhibits. The gallery columns are numbered from south to north, or lengthwise with the building, from 1 to 108, and the cross columns from east to west are lettered from A to Z, west to east. The letter and number following an exhibit in the catalogue indicate the intersecting point of the column lines nearest the exhibit. The location sign "Gal. A, F-19" means that the exhibit is in Section A at the point where Column F and Column 19 meet.

The location of foreign exhibits is indicated under their entry in the catalogue.



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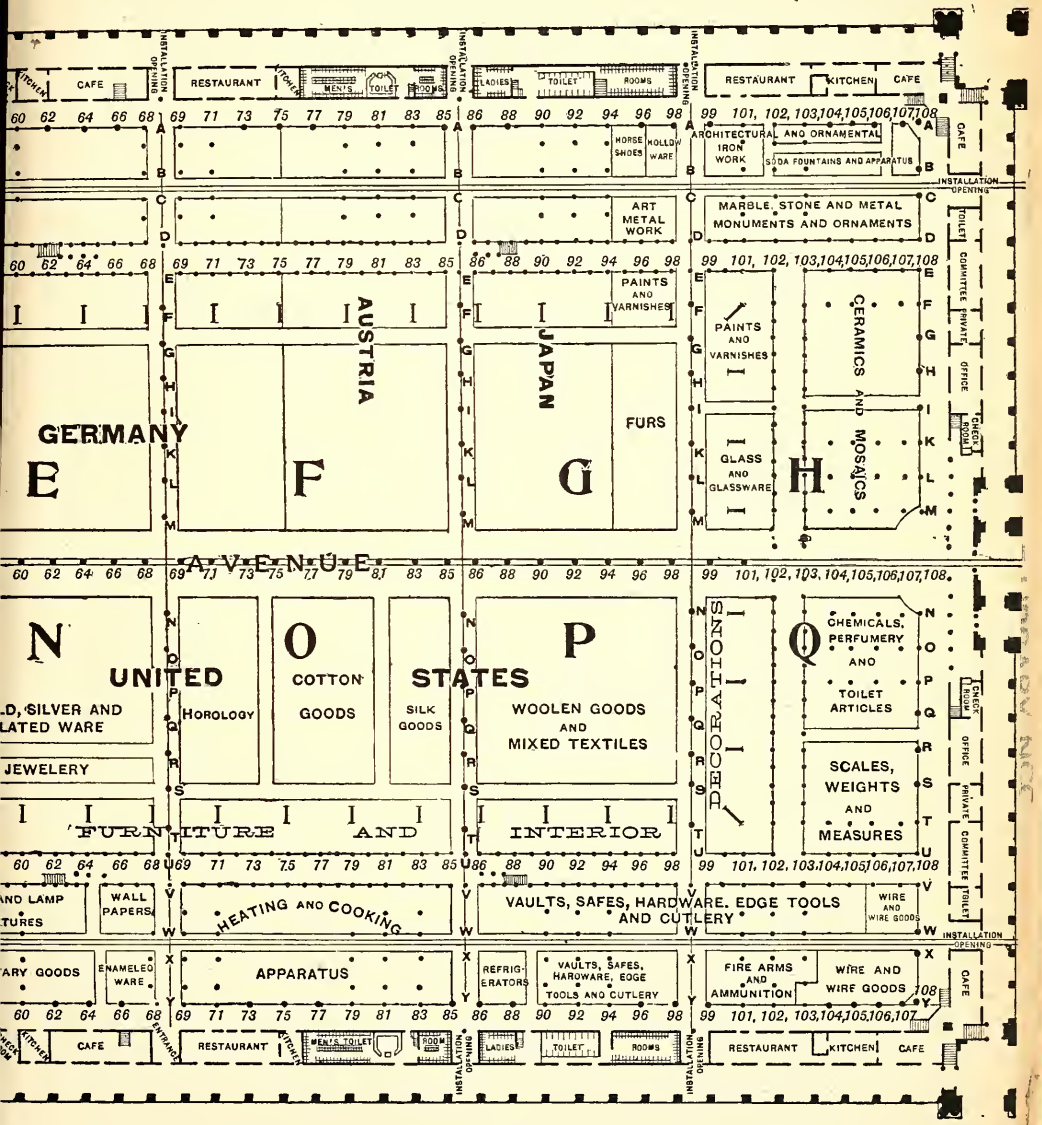
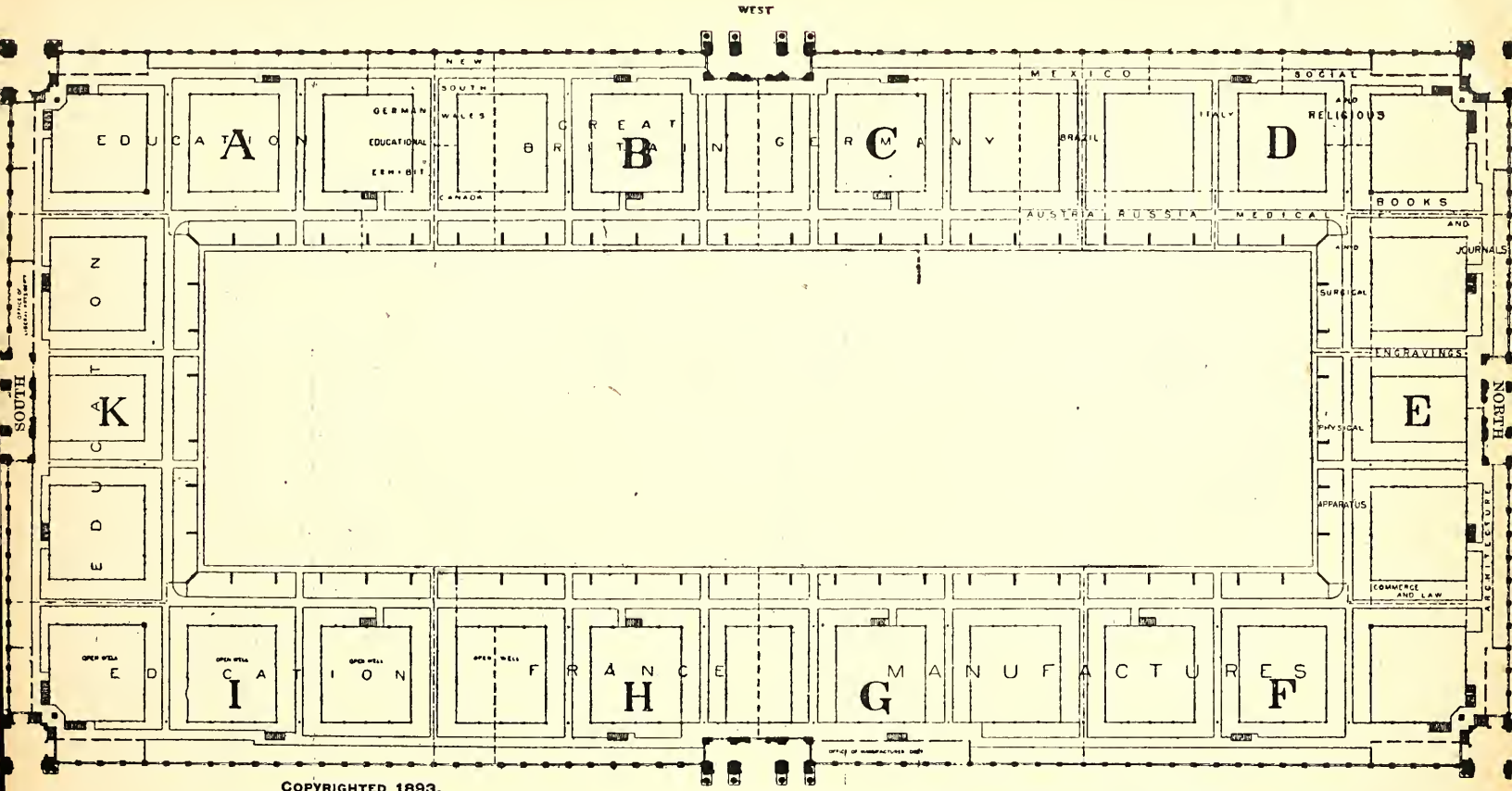


Ground Floor Plan.

WORLD'S COLUMBIAN EXPOSITION,
MANUFACTURES AND LIBERAL ARTS BUILDING.



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EAST SIDE LAKE FRONT

GALLERY PLAN.

WORLDS COLUMBIAN EXPOSITION
MANUFACTURES & LIBERAL ARTS
BUILDING

DEPARTMENT L.

LIBERAL ARTS—EDUCATION, LITERATURE, ENGINEERING, PUBLIC WORKS, MUSIC AND THE DRAMA.

GROUP 147.

PHYSICAL DEVELOPMENT, TRAINING AND CONDITION—HYGIENE.

ass 824. The nursery and its accessories.

ass 825. Athletic training and exercise gymnasiums; apparatus for physical development and of gymnastic exercises and amusement; skating, walking, climbing, ball-playing, wrestling, acrobatic exercises; rowing, hunting, etc. Special apparatus for training in schools, gymnasia; apparatus for exercise, drill, etc.

ass 826. Alimentation—food supply and its distribution; adulteration of food, markets, preparation of food, cooking and serving, school kitchens and arrangements for school canteens, methods of warming children's meals, etc. Dinner-pails, or receptacles for carrying meals for school children, workingmen and others. Restaurants, dining halls, refectories, etc.

ass 827. Dwellings and buildings characterized by the conditions best adapted to health and comfort, including dwellings for workingmen and factory operatives, houses and villages for operatives in connection with large manufacturing establishments, tenement houses, "flats," and suites of apartments, city and country residences, club-houses, school-houses; designs and models of improved buildings for elementary schools, infant schools and *creches*, court-rooms, theatres, churches, etc.

ass 828. Hotels, lodging-houses.

ass 829. □ Public baths, lavatories; public and domestic hygiene. Sanitation—sanitary appliances and methods for dwelling-houses, buildings and cities. Direct renewal of air. Heating, ventilating, lighting, in their relation to health. Conduits of water and sewage. Drains and sewers. Sinks, night-soil apparatus, sanitary plumbing, walls, bricks, roofs, flooring, etc. Sanitary house decoration—non-poisonous paints and wall-papers, floor coverings, washables, decorations, etc.

Apparatus for carrying off, receiving and treating sewage. Slaughter-house refuse, city garbage.

Apparatus and methods for filtering water and cleansing water-courses.

Apparatus intended for the prevention of infectious diseases. Methods, materials and instruments for purifying and destroying germs; disinfectors.

Apparatus and fittings for warming, ventilating and lighting schools; school latrines, closets, etc.

Special school fittings for storing and drying clothing.

Precaution in schools for preventing the spread of infectious diseases; school sanitaria, infirmaries, etc.

ass 830. Hygiene of the workshop and factory. (Classification modified from that of the London health exhibition.)

Designs and models for improvement in the arrangement and construction of workshops, especially those in which dangerous or unwholesome processes are conducted.

Apparatus and fittings for preventing or minimizing the danger to health or life from carrying on certain trades. Guards, screens, air-jets, preservative solutions, washes, etc.

Objects of personal use—mouth-pieces, spectacles, dresses, hoods, etc., for u in certain unhealthy and poisonous trades.

Illustrations of diseases and deformities caused by unwholesome trades a professions; methods of combatting these diseases; preservative mea ures, etc.

Sanitary construction and inspection of workshops, factories and mines; n inventions or improvements for ameliorating the condition of life of tho engaged in unhealthy occupations; means for economizing human labor various industrial operations.

Class 831. Asylums and homes—asylums for infants and children; foundling a orphan asylums; children's aid societies. Homes for aged men and wome for the maimed and deformed; for soldiers and for sailors.

Treatment of paupers; alms-houses.

Treatment of aborigines; Indian reservations and homes.

Class 832. Hospitals, dispensaries, etc.; plans, models, statistics. Shed hospitals for i fectious fevers and epidemic diseases; tent hospitals; hospital ships; furn ture and fittings for sick rooms.

Class 833. Protective supervision—sanitary supervision; vaccination and its enforc ment; isolation of contagious diseases; quarantine; prevention and elimin tion of animal epidemics.

Food inspection—treatment of adulterated foods; inspection and analys treatment of stale food substances; regulation of abattoirs, mills, etc.; reg tion of sale of horses; protective devices.

Building inspection, etc—building regulations and inspection; building drai age and plumbing; fire regulations, fire escapes, etc.

Personal inspection—color tests, etc.; professional examination for licenses.

Immigration—reception, care and protection of immigrants.

GROUP 148.

INSTRUMENTS AND APPARATUS OF MEDICINE, SURGERY AND PROSTHESIS.

Class 834. Pharmacology, drugs, pharmacy, etc—medicines, officinal (in any authori tive pharmacopœia) articles of the materia medica, preparations unofficin (See Group 87.)

Class 835. Dietetic preparations intended especially for the sick. (For beef extracts, s Class 38.)

Class 836. Instruments for physical diagnosis, clinical thermometers, stethoscopes, opth moscopes, etc.

Class 837. Surgical instruments, appliances and apparatus, with dressings, anæstheti antiseptics; obstetrical instruments, etc.

Class 838. Prosthesis—apparatus for correcting deformities; artificial limbs.

Class 839. Instruments and apparatus of dental surgery and prosthesis.

Class 840. Vehicles and appliances for the transportation and relief of the sick a wounded, during peace or war, on shore or at sea. (See also Department (

GROUP 149.

PRIMARY, SECONDARY AND SUPERIOR EDUCATION.

Class 841. Elementary instruction—infant schools and kindergartens. Descriptions the methods of instruction, with statistics.

Class 842. Primary schools, city and country—school-houses and furniture. Apparat and fittings. Models and appliances for teaching, text-books, diagran examples. Specimens of work in elementary schools.

Class 843. Domestic and industrial training for girls — models and apparatus f the teaching of cookery, housework, washing and ironing, needle-work a embroidery, dress-making, artificial flower-making, painting on si crockery, etc. Specimens of school work.

Class 844. Handicraft teaching in school for boys—apparatus and fittings for elementa trade teaching in schools. Specimens of school work.

Class 845. Science teaching—apparatus and models for elementary science instructi in schools. Apparatus for chemistry, physics, mechanics, etc.; diagram copies, text-books, etc.; specimens of the school work in the subjects.

s 846. Art teaching—apparatus, models and fittings for elementary art instruction in schools; diagrams, copies, text-books, etc., specimens of art work, modeling, etc., in schools.

s 847. Technical and apprenticeship schools.—Apparatus and examples used in primary and secondary schools for teaching handicraft; models, plans and designs for the fitting up of workshop and industrial schools; results of industrial work done in such schools.

s 848. Special schools for the elementary instruction of Indians.

s 849. Education of defective classes—schools for the deaf, dumb, blind and feeble-minded; adult schools for the illiterate.

s 850. Public schools—descriptions, illustrations, statistics, methods of instruction, etc.

s 851. Higher education—academies and high schools. Descriptions and statistics. Colleges and universities. Descriptions, illustrations of the buildings, libraries, museums, collections, courses of study, catalogues, statistics, etc.

s 852. Professional schools—theology, law, medicine and surgery, dentistry, pharmacy; mining, engineering, agriculture, mechanic arts; art and design; military, naval, normal, commercial; music.

s 853. Government aid to education—national Bureau of Education—reports and statistics.

GROUP 150.

LITERATURE, BOOKS, LIBRARIES, JOURNALISM.

s 854. Books and literature, with special examples of typography, paper and binding. General works—philosophy, religion, sociology, philology, natural sciences, useful arts, fine arts, literature, history and geography; cyclopedias, magazines and newspapers; bindings, specimens of typography.

s 855. School books.

s 856. Technical industrial journals.

s 857. Illustrated papers.

s 858. Newspapers and statistics of their multiplication, growth and circulation.

s 859. Journalism, statistics of: with illustrations of methods, organization and results.

s 860. Trade catalogues and price lists.

s 861. Library apparatus; systems of cataloguing and appliances of placing and delivering books.

s 862. Directories of cities and towns.

s 863. Publications by governments.

s 864. Topographical maps. Marine and coast charts; geological maps and sections; botanical, agronomical, and other maps, showing the extent and distribution of men, animals and terrestrial products; physical maps; meteorological maps and bulletins; telegraphic routes and stations; railway and route maps; terrestrial and celestial globes, relief maps and models of portions of the earth's surface, profiles of ocean beds and routes of submarine cables.

GROUP 151.

INSTRUMENTS OF PRECISION, EXPERIMENT, RESEARCH AND PHOTOGRAPHY; PHOTOGRAPHS.

s 865. Weights, measures; weighing and metrological apparatus.—Balances of precision, instruments for mechanical caluculation, adding machines, pedometers, cash registers, water and gas meters, etc.; measures of length, graduated scales, etc.
(For ordinary commercial forms, see also Group 112.)
(For testing machines, see Class 490.)

s 866. Astronomical instruments and accessories.—Transits, transit circles, mural circles, zenith sectors, altazimeters, equatorials, collimators, comet-seekers.

s 867. Geodetic and surveying instruments.—Transits, theodolites, artificial horizons, surveyor's compasses, goniometers; instruments for surveying underground in mines, tunnels and excavations; pocket sextants, plane tables and instruments used with them; ship's compasses, sextants, quadrants, repeating circles, dip-sectors, etc.

Class 868. Leveling instruments and apparatus—hand-levels, water-levels, enginee levels, of all patterns and varieties; cathetometers, leveling staves, targe and accessory apparatus.
Class 869. Hydrographic surveying; deep sea sounding.
Class 870. Photometric apparatus and methods.
Class 871. Photographic apparatus and accessories. Photographs.
Class 872. Meteorological instruments and apparatus, with methods of recording, red ing and reporting observations. Thermometers—mercurial, spirit, a ordinary or self-registering, maximum and minimum. Barometers—mer rial, aneroid; anemometers, rain gauges, etc.
Class 873. Chronometric apparatus—chronometers, watches of precision, astronomi clocks, church and metropolitan clocks, clepsydras, hour-glasses, sun-di chronographs, electrical clocks, metronomes. (For commercial clocks a watches, see also Group 99.)
Class 874. Optical and thermometric instruments and apparatus.
Class 875. Electric and magnetic apparatus. (See also Department J.)
Class 876. Acoustic apparatus.

GROUP 152.

CIVIL ENGINEERING, PUBLIC WORKS, CONSTRUCTIVE ARCHITECTURE.

Class 877. Land surveying, topographical surveying—surveys and locations of towns a cities, with systems of water supply and drainage.
Class 878. Surveys of coasts, rivers and harbors.
Class 879. Construction and maintenance of roads, streets, pavements, etc.
Class 880. Bridge engineering (illustrated by drawings and models).
Bridge designing—drawings and charts, showing methods of calculati stresses.
Foundations, piers, abutments and approaches of stone, wood, etc.
Arch bridges of stone, wood or iron.
Suspension bridges of fibre, iron chain and cable.
Truss bridges of wood, iron and steel—pony, bow-string and plate girde lattice girders, Fink, Bollman, Howe, Pratt, Warren, Post, Long, Whipp and other trusses of special design.
Cantilever bridges, draw-bridges, rolling and swinging machinery.
Tubular bridges.
Railway, aqueduct and other bridges of special design not elsewhere classed
(A chart showing date of completion, span, rise, weight and cost of the gr bridges of the world, would be of interest.)
Class 881. Subaqueous constructions—foundations, piers, harbors, breakwaters, buildi of dams, water works and canals.
Class 882. Irrigation—irrigating canals and systems.
Class 883. Railway engineering—surveying, locating and constructing railways.
Class 884. Dynamic and industrial engineering—the construction and working of m chines; examples of planning and construction of manufacturing a metallurgical establishments.
Class 885. Mine engineering—surveying underground, construction of tunnels, subaqu ous tunnels, etc.; locating and sinking shafts, inclines and winzes; drivi levels, draining, ventilating and lighting. (See also Department E.)
Class 886. Military engineering—construction of earth-works, breast-works and temp rary fortifications.
Class 887. Permanent works—fortifications, magazines, arsenals, mines.
Class 888. Roads, bridges, pontoons, etc.; movement of troops and supplies.
Class 889. Constructive architecture—plans of public buildings for special purpos large and small dwelling houses.
Drawings and specifications for foundations, walls, partitions, floors, roofs a stairways.
Estimates of amount and cost of material.
Designs and models of special contrivances for safety, comfort and conve ience in the manipulation of elevators, doors and windows, etc.
Working plans of the mason, carpenter and painter; designs and models bonds, arches, coping, vaulting, etc.; plastering and construction of pa tions; painting and glazing.

Plans of appliances for hoisting, handling and delivering building materials to artisans—scaffolding and ladders, special scaffolding for handling great weights; portable cranes and power elevators.
Illustrations of the strength of materials.
Plans and sections of special architectural forms. Metallic floor beams and girders; hollow bricks and other architectural pottery for heating and ventilation; metallic cornice and conduits, shingles and sheathing, glass roofs, floors and accessories, architectural hardware.
Methods of combining materials.
Protection of foundations, areas and walls against water.
Working plans for paving and draining.

GROUP 153.

GOVERNMENT AND LAW.

lass 890. Various systems of government illustrated—government departments, legislative, executive and judicial.
lass 891. International law and relations—fac-similies of treaties, etc.
lass 892. Protection of property in inventions. Patent offices and their functions, statistics of inventions and patents.
lass 893. Postal systems and the appliances of the postal service. Letter-boxes, pouches, mail-bags, postage stamps, etc.
lass 894. Punishment of crime—prisons and reformatories, prison management and discipline, transportation of criminals, penal colonies, houses of correction, reform schools, naval or marine discipline, punishment at sea, police stations, night lock-ups, etc.; dress and equipment of prisoners, examples of convict workmanship.

GROUP 154.

COMMERCE, TRADE AND BANKING.

lass 895. History and statistics of trade and commerce.
lass 896. Railway and transportation companies.
lass 897. Methods and media of exchange—money, coins, paper money, etc.
lass 898. Counting houses, stores and shops—araangement, furniture, fittings; methods of management, book-keeping, devices for distributing change and goods to customers.
lass 899. Warehouse and storage systems—grain elevators.
lass 900. Boards of Trade and their functions illustrated.
lass 901. Exchanges for produce, metals, stocks, etc.
lass 902. Insurance companies.
lass 903. Banks and banking—illustrations of buildings, interiors, methods and statistical information; clearing-houses, etc.; savings and trust institutions.
lass 904. Safes and vaults for storage of treasure and valuables; safe deposit companies.
lass 905. Book-keeping—books and systems of book-keeping and accounting, commercial blank forms, etc.
lass 906. Express companies, freighting, etc.

GROUP 155.

NSTITUTIONS AND ORGANIZATIONS FOR THE INCREASE AND DIFFUSION OF KNOWLEDGE.

lass 907. Institutions founded for the increase and diffusion of knowledge, such as the Smithsonian Institution, the Royal Institution, the Institute of France, British Association for the Advancement of Science, and the American Association, etc.; their organization, history and results.
lass 908. Academies of science and letters—learned and scientific associations, geological and mineralogical societies, etc.; engineering, technical and professional associations; artistic, biological, zoological, medical, astronomical societies and organizations.

Class 909. Museums, collections, art galleries, exhibitions of works of art and industr agricultural fairs, state and county exhibitions, national exhibitions, inte national exhibitions, international congresses.
Class 910. Publication societies.
Class 911. Libraries—public and private; statistics of operations.

GROUP 156.

SOCIAL, INDUSTRIAL, AND CO-OPERATIVE ASSOCIATIONS.

Class 912. Social organizations.—Clubs—political, military, university, travelers'; pres clubs, science clubs, and others.
Class 913. Political societies and organizations.
Class 914. Workingmen's unions and associations.—Their organization, statistics an results.
Class 915. Industrial organizations.
Class 916. Co-operative trading associations.
Class 917. Secret societies.
Class 918. Miscellaneous organizations for promoting the material and moral well-being o the industrial classes.

GROUP 157.

RELIGIOUS ORGANIZATIONS AND SYSTEMS.—STATISTICS AND PUBLICATIONS.

Class 919. Religious organizations and systems.—Origin, nature, growth, and extent o various religious systems and faiths. Statistical, historical and other illus trations; pictures of buildings; plans and views of interiors.
Class 920. Religious music, choirs, hymnology.
Class 921. Missionary societies, missions, and missionary work ; maps, reports, statistics.
Class 922. Spreading the knowledge of religious systems by publications; Bible societies tract societies, and their publications.
Class 923. Systems and methods of religious instruction and training for the young; Sun day-schools, furniture, apparatus and books.
Class 924. Associations for religious or moral improvement.
Class 925. Charities and charitable associations connected with ecclesiastical societies.

GROUP 158.

MUSIC AND MUSICAL INSTRUMENTS—THE THEATRE.

Class 926. History and theory of music—music of primitive people. Crude and curiou instruments. Combinations of instruments, bands and orchestras. Musi books and scores. Musical notation.
History and literature of music. Portraits of great musicians.
Class 927. Self-vibrating instruments—drums and tambourines; cymbals, triangles gongs, castanets, "bones."
Bells, chimes and peals.
Bell-ringers' instruments. Musical glasses.
Glockenspiels, zylophones, marimbas.
Music boxes.
Class 928. Stringed instruments played with the fingers or plectrum.
Lutes, guitars, banjos and mandolins.
Harps and lyres.
Zithers, dulcimers.
Class 929. Stringed instruments played with the bow.
The violin.
The viol, viola, viola da gamba, viola di amore.
The violoncello and the bass viol.
Mechanical instruments—hurdy-gurdy and violin piano.

ass 930. Stringed instruments with key-board.—The piano-forte square, upright and grand.
Actions and parts of a piano.
The predecessors of the piano.—Clavicytherium clavicymbal, clavichord, manichord, virginal, spinet, harpsichord, and hammer harpsichord.
Instruments and methods of manufacture.
Street pianos.

ass 931. Wind instruments, with simple aperture or plug mouthpiece. The flute, flute-a-bec. Syrinx. Organ-pipes. Flageolet.

ass 932. Wind instruments, with mouthpiece regulated by the lips. The clarionet, oboe and saxophone.

ass 933. Wind instruments with bell mouthpiece, without keys. The trumpet (simple) and the bugle (oliphant.) Alpenhorn. The trombone (with slide and with finger-holes). The serpent, bassoon and bagpipe.

lass 934. Wind instruments with bell mouthpiece, with keys. Key bugles, cornets, French horns. Cornopeans, orphicleides.

lass 935. Wind instruments with complicated systems.
The pipe organ.
Reed organs, melodeons and harmonicas.
Accordions, concertinas and mouth organs.
Hand organs and organettes. Automatic organs, orchestrions, etc.

lass 936. Accessories of musical instruments—strings, reeds, bridges.
Conductors' batons, drum-majors' staves. Mechanical devices for the orchestra.
Tuning forks, pitch-pipes, metronomes, music stands, etc.

lass 937. Music in relation to human life—musical composers. Great performers. Great singers. Portraits. Biographies.
Concerts and the concert stage.
The opera. The oratorio. Masses.
Church music and sacred music of all periods. Hymnology, ballads, folk-songs, and folk-music of all lands. National airs.

lass 938. The theatre and the drama. The stage. Plans and models of stages and theatres.
History of the drama, so far as can be shown by literary record. Portraits of actors. Relics of actors.
Playbills, etc. Costumes, masks, armor. Scenery. Appliances of illusion, etc. Plays of all ages and people.

Department L.--Liberal Arts.

UNITED STATES.

Physical Development, Training and Condition—Hygiene.

GROUP 147.

Physical Development, Training and Condition—Hygiene.

Exhibits in this group are installed in the Anthropological Building.

1. **Alexander, Dr. H. M., & Co., Marietta,** Pa. Vaccine virus. E-W-4 833
2. **American Continental Sanitas Company,** New York. Antiseptics and disinfectants. E-V-2 829
3. **American Sporting Goods Company,** St. Louis, Mo. Whitley exercises. E-S-6 825

With illustrated instructions, teaching how to be always well, strong and graceful. For gentlemen, ladies or children. Develops all parts of the body. Noiseless, compact, durable, effective. The best home health apparatus ever invented. Send four cents for illustrated catalogue.

4. **Automatic Fountain Company, Canton,** Ohio. Fountain air purifier. E-S-4 829
5. **Banneman, William, Chicago. Phenyle** disinfectant. E-V-2 829
6. **Beneficent Building Association, Philadelphia.** Plans of model tenement house. E wing, frames V-4 827
7. **Benson, B. S., Baltimore, Md.** Air purifiers and filters. E-S-4 829
8. **Beveridge, W. E., Baltimore, Md.** Automatic cookers, infant feeders and sterilizers. E-T-6 826
9. **Bowden, J. A., & Co., Detroit, Mich.** Water filters and domestic water filters. E-V-2 829
10. **Brown & Sharp Manufacturing Co.,** Providence, R. I. Sanitary closets E-V-1 829
11. **Columbian Automatic Filter Company,** Washington, D. C. Water filters. E-T-2 829
12. **Cram, A. W., Haverhill, Mass. Clean-**out for drains, etc. E-S-4 829
13. **Cummings Filter Company, Philadel-**phia. Water filters. E-T-4 829
14. **Davis, M. L., M. D., Lancaster, Pa.**
    a Models of garbage and crematory furnaces. E-S-3 829
    b Plan of quarantine hospital. 833
15. **Eclipse Filter Company, Philadelphia.** Water filters. E-T-4 829
16. **Engle Sanitary & Cremation Co., Des** Moines, Iowa.
    a Iron stone or fire closet for domestic refuse; garbage furnace for schools and public buildings. E-S-3 829
    b Refuse crematory for city use. (Out-door exhibit.)

The Engle system of garbage cremation is applied to the destruction of household waste at each individual dwelling, provides a substitute for vaults and cess pools at all school houses and public buildings, destroys the excreta, waste and infected material at medical schools and hospitals in an entirely sanitary manner, with no escape of disease germs, and disposes of the total production of garbage, refuse, dead animals, and miscellaneous waste of cities and towns, without nuisance, with no escape of fumes, and in a speedy, economical, and satisfactory way.

17. **Gate City Stone Filter Company, New** York. Water filters. E-T-3 829
18. **Guenantin, Jean Marie, Chicago. Mod-**els, maps and drawings of suggested plan for sewerage of Chicago. E-V-1 829
19. **Hess, Geo. H., Company, Chicago. Ap-**paratus, models, and plans showing mode of ventilating and warming schools, houses, etc. E-S-9 829
20. **Hunting, Nelson, M. D., Albany, N. Y.** Automatic water purifying apparatus. E-T-1 829

Production of aerated water from vapor; the same method as the formation of rain.

21. **Hydromaze Manufacturing Company,** New York City. Hydromaze, or health guard. E-T-2 829

22. **Illinois State Board of Health, Springfield, Ill.** Maps illustrative of sanitary condition of Chicago. E-W-1 833
23. **Improved Dwelling Company, New York.** Model and plans of improved dwelling for working men. E-S-5 827
24. **Jensen, Hans H., Milwaukee.** Odorless water closets. E-V-1 829
25. **Koch, Christian H., Chicago.** Electrical apparatus for purifying water and meat. E-V-1 829
26. **Ladies' Sanitary Association, London, England.** □Publication of the association. Sec. E 833
27. **Louisiana State Board of Health, New Orleans, La.** Models of quarantine station and disinfectors E-W-5 833
28. **Maine State Board of Health, Augusta, Me.** Chart and publications relating to public health. Sec. E 833
29. **Massachusetts State Board of Health, Boston.** Analytical work in food adulterations, water, etc. E-V-5 833
30. **McConnell Filter Company, Buffalo, N. Y.** Germ-proof water filters. E-T-5 829
31. **Medical and Surgical Sanitarium, Battle Creek, Mich.** Economic and hygienic dress for women, apparatus for anthropometry and physical training. E-S-6 825
Exhibit of the means and methods employed in a scientific sanitarium and modern hospital. Chicago branch, 28 College place.
32. **Michigan State Board of Health, Lansing, Mich.** Diagrams illustrating work in prevention of disease; set of publications. E-W-1 833
33. **Miller, Chas. H., Pittsburg.** Appliances for cleaning water mains. E-S-4 829
34. **Minnesota State Board of Health, Red Wing, Minn.** Charts, diagrams and publications illustrating protection and sanitary work. Wing frames, Sec. E 833
35. **Narragansett Machine Company, Providence, R. I.** Gymnastic apparatus and appliances. E&F 825
36. **New York Ladies Health Protective Association, New York.** Models and photographs of abbattoirs and of dust-cart. E V-7 826
37. **New York State Board of Health, Albany, N. Y.** Maps, drawings and publication relating to public health. Sec. E 833
38. **New Jersey State Board of Health, Trenton, N. J.** Specimens of adulterations of foods and drugs; maps and publications. Sec. E 833
39. **Pasteur-Chamberland Filter Company, Dayton, Ohio.** Germ proof filters and filtering apparatus. E-T-3 829
40. **Pennsylvania State Board of Health, Philadelphia.** Portable bacteriological outfit; charts, publications, etc. Sec. E 833
Portable case of apparatus for collecting specimens of drinking water from hydrants.
41. **Philadelphia County Women's Committee, Philadelphia.** A model workman's dwelling. (N. E. end of Midway Plaisance.) 827
42. **Remington, Cyrus K., Buffalo, N Y.** Photographs of the Buffalo crematory. E-S-5 829
43. **Romney, Mrs. Caroline, Chicago.**
a Warming closet, heat conserver, dinner pail. Gal. F-U-103 826
b Water filter. 829
44. **Stone, Peter, Los Angeles, Cal.** Water filters and coolers. E-T-5 829
45. **Tenement House Building Company, New York.** Drawings, plans and photographs of buildings. Sec. E, wing frames V-4 827
46. **Tennessee State Board of Health, Nashville, Tenn.** Models, plans and charts illustrating sanitary condition of Tennessee. Sec. E 833
47. **Wahl, Albert, Chicago.** Health apparatus. E-S-6 825
48. **Wilmot Castle & Co., Rochester, N. Y.** Milk sterilizers, steam cookers and bacteriological apparatus. E-T-6 826
49. **Woods, Justin O., New York.** Hygienic appliances. E-V-3 830
50. **World's Crystal Water Filter Company, Chicago.** Water filters. E-T-4 829

GROUP 148.

Instruments and Apparatus of Medicine, Surgery and Prosthesis.

51. **Albany Chemical Company, Albany, N. Y.** Pharmaceutical preparations. Gal. D, F-94 835
52. **Ale & Beef Co., Dayton, Ohio.** Pharmaceutical preparations. Gal. D, F-99 834
53. **Allen, C. D., New York.** Artificial dentures. Gal. E, H-101 839
54. **Allison, W. D., Company, Indianapolis, Ind.** Surgical furniture. Gal. E, G-101 837
55. **Anderson Surgical Chair Manufacturing Company, Anderson, Ind.** Surgical furniture. Gal. E, G-101 837
56. **Armour & Co., Chicago.** Pharmaceutical preparations. Gal. D, F-96 834

Instruments and Apparatus of Medicine, Surgery and Prosthesis.

57. **Armstrong, Wm. H., & Co., Indianapolis, Ind.** Surgical instruments and appliances. Gal. E, H-103 837
58. **Ayer, J. C., Company, Lowell, Mass.** Pharmaceutical preparations. Gal. D, Truss F-94 834
59. **Banning, E. P., Cleveland, Ohio.** Spinal and other appliances. Gal. D, D-101 838
60. **Boericke & Tafel, Philadelphia.** Homœopathic preparations. Gal. D, F-98 834
61. **Boughton & Smith, Chicago.** Artificial teeth and dental specialties. Gal. E, H-101 839
62. **Brown, E., Parmly, International** Dental Manufacturing Company, N. Y. Dental specialties. Gal. E, H-101 839
63. **Brown, Frederick Company, Philadelphia.** Pharmaceutical preparations. Gal. D, F-98 834
64. **Burnham, E. S., Chicago.** Instruments for catarrhal affections. Gal. E, H-102 837
65. **Burrough Bros. Manufacturing Company,** Baltimore, Md. Pharmaceutical preparations, etc. Gal. D, F-98 834
66. **Canton Surgical & Dental Chair Co.,** Canton, Ohio. Gal. E, G-102
    a Surgical chairs and appliances. 837
    b Dental chairs and appliances. 839

Yale surgical chairs, Gould dental chairs, dental engines, fountain spittoons.

67. **Carroll Aluminum Manufacturing** Company, Meadville, Pa. Gal.E,F-102
    a Stethoscope, opthalmoscope, etc. 836
    b Surgical instruments and appliances. 837
    c Orthopedic apparatus. 838
    d Dental apparatus. 839
68. **Chicago Truss Company, Chicago.** Trusses, etc. Gal. D, D-102 838
69. **Common Sense Truss Company, Chicago.** Trusses, supporters, etc. Gal. D, D-102 838
70. **Condell, A., New York.** Artificial limbs. Gal. D, C-103 838
71. **Condell, J., & Son, New York.** Artificial limbs, etc. Gal. D, C-103 838
72. **Daggett Table Company, Buffalo, N. Y.** Posturing tables. Gal. E, K-101 837
73. **Davis, J. T. & A. H., New York.** Artificial eyes. Gal. E, I-102 838
74. **Deane, Henry F., New York.** Artificial teeth. Gal. E, H-101 839
75. **Doliber-Goodale Company, Boston.** Food for infants. Gal. D, E-97 835
76. **Doriot, Constant, Philadelphia.** Dental tools, chair, etc. Gal. E, K-101 839
77. **Drevet Manufacturing Company, New York.** Pharmaceutical preparations. Gal. D, F-98 834
78. **Dundas, Dick & Co., New York.** Pharmaceutical preparations. Gal. D, F-98 834
79. **Evans, George, New York.** Crowns for teeth. Gal. E-K-101 839
80. **Fairchild Bros. & Foster, New York.** Pharmaceutical preparations. Gal. D, F-94 834
81. **Frees, C. A., New York.** Artificial limbs. Gal. D, D-103 838
82. **Fuller, George R., Rochester, N. Y.** Artificial limbs and trusses. Gal. D, D-102 838
83. **Gault Artificial Limb Company,** Woodstock, Ill. Artificial limbs. Gal. D, D-103 838
84. **Harvard Company, Canton, Ohio.** Gal. E, H-102
    a Surgical furniture. 837
    b Dental furniture. 839
85. **Harvey Human Hand Appliance Company,** New York City. Trusses. Gal. D, D-99 838
86. **Harvey, G. F., Company, Saratoga** Springs, N. Y. Pharmaceutical preparations. Gal. D, D-98 834
87. **Haussmann & Dunn, Chicago.** Surgical instruments. Gal. E, G-103 837
88. **Heinemann, T. W., Co., Chicago.** Surgical appliances. Gal. E, I-103 837

Frost King & Queen chamois jackets; O. P. C. & Chicago suspensories; porous plasters.

89. **Horlick's Food Company, Racine,** Wis. Food preparations. Gal. D, F-97 835
90. **International Surgical Instrument** Company, Philadelphia. Surgical instruments. Gal. E, K-103 837
91. **Johnson & Johnson, New York.** Surgical appliances. Gal. E, L-103 837
92. **Land, Charles H., Detroit, Mich.** Dental cabinet and furnaces. Gal. E, I-101 839
93. **Lee, J. Ellwood, Company, Conshohocken, Pa.** Surgical specialties. Gal. E, H-103 837
94. **Lyons, James I., Chicago.** Artificial limbs. Gal. D-D-102 838
95. **Marks, A. A., New York.** Gal. D, D-102
    a Surgical appliances. 837
    b Artificial limbs. 838
    c Invalid vehicles. 840

Inventor and manufacturer of artificial limbs with rubber hands and feet. Awarded twenty-two first premiums.

96. **Marvin Truss Company, Lansing,** Mich. Trusses. Gal. D, C-103 838

97. **Mason, L. J., & Co., Chicago.** Electric dental engine and dental instruments. Gal. E, Truss H-101 838

98. **Mellor & Rittenhouse Co., Philadelphia.** Licorice and products. Gal. D, F-99 834

Highest awards Centennial Exposition, 1876; Paris International Exposition, 1878; New Orleans Exposition, 1885.

99. **Meyer, John H., New York.** Artificial dentures. Gal. E, H-101 839

100. **Miner & Elbreg, Indianapolis, Ind.** Surgical furniture. Gal. E, H-101 937

101. **Modemann, George H., New York.** Artificial teeth. Gal. E, H-101 839

102. **Niehans, A., Chicago.** Artificial limbs. Gal. D, C-103 838

Manufacturer of the only perfect rubber foot with ankle joint.

103. **Nye, Sherman R., Chicopee Falls, Mass.** Finger truss. Gal. D, C-103 838

104. **O'Connor, E. L., Company, Chicago.** Extension shoe. Gal. D, D-103 838

105. **Palmer, B. Frank, Philadelphia.** Artificial limbs. Gal. D, D-102 838

106. **Penfield, E. C., Company, Philadelphia.** Gal. D, D-101
   a Surgical appliances. 837
   b Trusses and supporters. 838

107. **Reed & Carnrick, New York.** Gal. D, D-99
   a Pharmaceutical preparations. 834
   b Food preparations. 835

108. **Reichardt, F., Alfred & Co., New York.** Surgical instruments and supplies. Gal. E, H-102 837

109. **Ritter, Frank, Dental Manufacturing Company, Rochester, N. Y.** Dental chairs and cases. Gal. E, I-101 839

110. **Roy, F., St. Omer, N. Y.** Surgical instruments and apparatus. Gal. E, G-102 837

111. **Sapler, Hannah G., New York.** Abdominal belt. Gal. F-U-103 837

112. **Seabury & Johnson, New York.** Medical, surgical and antiseptic specialties. Gal. E, K-103 837

113. **Sharp & Dohme, Baltimore, Md.** Pharmaceutical preparations. Gal. D, D-96 834

114. **Sharp & Smith, Chicago.** Surgical instruments. Gal. E, F-103 837

115. **Standard Homœopathic Globule Manufactory, New York.** Globules, disks, etc. Gal. D, F-94 834

116. **Stearns, Frederick & Co., Detroit, Mich.** Pharmaceutical preparations, toilet articles, etc. Gal. D, E-98 834

117. **Storrs Air Pad Truss Company, Chicago.** Air pads, supporters, etc. Gal. D, D-102 838

118. **Thomsen's Extract of Malt Company Chicago.** Extract of malt. Gal. D, F-98 83

119. **Tilden Company, New Lebanon, N. Y** Pharmaceutical preparations. Gal. D, E-94 83

120. **Tracy, Edward A., South Boston Mass.** Gal. E, H-102
   a Surgical splints. 83
   b Surgical jackets. 83

121. **Truax, Chas., Greene & Co., Chicago** Surgical instruments and appliances. Gal. E, F-103 83

122. **Upjohn Pill & Granule Co., Kalamazoo, Mich.** Pills and granules. Gal. D, F-99 83

123. **Warner, Wm. R., & Co., Philadelphia.** Pharmaceutical preparations. Gal. D, D-101 83

124. **Western Leather Manufacturing Company, Chicago.** Medicine cases, etc. Gal. E, I-102 83

125. **White, F. G., Chicago. Dentistry** Gal. E, H-101 83

126. **White, S. S., Dental Manufacturing Company, Philadelphia.** Dental supplies. Gal. E, K-101 83

127. **Winkley Artificial Limb Company Minneapolis, Minn.** Artificial limbs. Gal. D, D-103 83

128. **Wyeth, John & Bro., Philadelphia** Pharmaceutical and medicinal preparations. Gal. D, D-94 83

129. **Zeilin, J. H., & Co., Philadelphia** Pharmaceutical preparations. Gal. D, E-98 83

GROUP 149.

Primary, Secondary and Superior Education.

130. **Air Brush Manufacturing Company Rockford, Ill.** Air brush and painting produced by it. Gal. E, K-103 84

131. **Alliance Israelite Universelle, New York.** Gal. A, A-4
   a Common school products. 84
   b Technical and trade school products. 84
   c Agricultural school products. 85

132. **Amherst College, Amherst, Mass** Photographs, plans, books, etc. Gal. K, O-6 85

Liberalizing rather than technical courses Full courses for B. A. For B. S. may omi Latin and Greek, taking two natural science and two other subjects. 3,500 alumni; 3 professors; best laboratories; library, 60,00 volumes; gymnasium; athletic field. Writ Registrar, or Merrill E. Gates, LL. D., Pres

Primary, Secondary and Superior Education.

33. **Arch-diocese of Chicago.** Educational exhibit. Gal. I, Z-28 841-844, 851

34. **Art Institute of Chicago, Chicago.** Drawings, paintings, modeled work and statuary. Gal. A, F-19 846

35. **Art Students' League of New York,** New York. Students' work. Gal. A, F-15 846

36. **Atlanta University, Atlanta, Ga.** Industrial work, photographs, charts, etc. Gal. I, U-1 851

37. **Baltimore Manual Training School,** Baltimore, Md. Students' work. Gal. K, S-1 847, 851

38. **Beloit College, Beloit, Wis.** Photograps, history of college, etc. Gal. A, D-7 851

39. **Bowdoin College, Brunswick, Me.** Photographs, drawings and books. Gal. K, O-1 851

40. **Brothers of the Christian Schools.** Educational exhibit from European schools. Gal. I, Z-19 841-847, 851, 852

41. **Brown University, Providence, R. I.** Photographs, course of study, specimens of mechanical work, etc. Gal. K, R-1 851

42. **Bryn Mawr College, Bryn Mawr, Pa.** Photographs, publications, models, etc. Gal. K, G-7 851

A college for women in suburbs of Philadelphia. Opened 1885. Graduate and undergraduate departments.

43. **Bryn Mawr School, Baltimore, Md.** School work. Gal. I, V-7 851

Model college—preparatory school for girls. Opened 1885.

44. **Carleton College, Northfield, Minn.** Stellar photography, charts, views, etc. Gal. A, A-7 851

45. **Central Church Mission, Chicago.** Kindergarten work. Gal. A-D-23 841

46. **Central Tennessee College, Nashville,** Tenn. Students' work. Gal. A, E-1 851

47. **Chautauqua System of Education,** Buffalo, N. Y. Publications, study papers, photographs, etc. Gal. K, L-1 851

48. **Chicago Manual Training School,** Chicago. Students' work. Gal. K, R-1 847, 851

49. **Chicago College of Pharmacy, Chicago.** Materia medica, apparatus, literature, etc. Gal. D, E-101 852

50. **Chicago Free Kindergarten Ass'n,** Chicago. Work of normal class and of children. Gal. A-D-23 841

51. **Cincinnati Technical School, Cincinnati.** Students' work. Gal. K, T-1 847

52. **Claflin University, Orangeburg, S. C.** Students' work. Gal. A, E-1 851

153. **Clark University, Atlanta, Ga.** Students' work. Gal. A. E-1 851

154. **Clark University, Worcester Mass.** University work. Gal. K, O-6 851

155. **Colgate University, Hamilton, N. Y.** Photographs, publications, etc. Gal. K, K-6 851

156. **Colorado State Agricultural College,** Fort Collins, Col. Drawings, manual and laboratory work, publications, etc. Gal. A, D-17 852

157. **Colorado State Normal School, Greeley,** Col. Manuscripts, charts, sloyd-work, etc. Gal. A. D-17 852

158. **Colorado State School of Mines, Golden,** Col. Drawings, publications, photographs, etc. Gal. A, D-17 852

159. **College of New Jersey. Princeton,** N. J. Books, manuscripts, models, photographs, etc. Gal. K, N-6 851

Founded in 1756, it was prominent in the War for Independence and the formation of the federal government; its graduates have held the foremost positions in the federal and state governments and in the provinces.

160. **Columbia College, New York.** Drawings, photographs, statistics, publications, etc. Gal. K, L-6 851

160a. **Deaf Schools. Collective exhibits from** schools at Colorado Springs, Col.; Hartford, Conn.; Washington, D. C.; Englewood, Ill.; Indianapolis, Ind.; Olathe, Kan.; Danville, Ky.; Frederick City, Md.; Northampton, Mass.; Flint, Mich.; Faribault, Minn.; Omaha, Neb.; Trenton, N. J.; Buffalo, N. Y.; Fordham, N. Y.; Washington Heights, N. Y. City; Cincinnati, O.; Edgewood Park, Pa.; Scranton, Pa.; Cedar Springs, S. C.; Delavan, Wis.; Salt Lake City, Utah. Gal. A-A-7 849

161. **De Pauw University, Greencastle, Ind.** Books, chart, etc. Gal. I, Z-7 851

162. **Drexel Institute of Arts, Science and** Industry, Philadelphia. Photographs, drawings, instruction, etc. Gal. K, I-6 843-847, 851, 852

162a. **Feeble-minded Schools. Collective exhibits** from schools at Glen Ellen, Cal.; Lakeville, Conn.; Lincoln, Ill.; Fort Wayne, Ind.; Glenwood, Ia.; Frankfort, Ky.; Font Hill, Md.; Barre, Mass.; Waverly, Mass.; Faribault, Minn.; Beatrice, Neb.; Vineland, N. J.; Syracuse, N. Y.; Columbus, O.; Elwyn, Pa.; Vancouver, Wash.; Orilla, Ont. Gal. A-A-7 849

163. **Franklin College, Franklin, Ind. Manuscripts,** apparatus, etc. Gal. I, Z-7 851

164. **Girls' Classical School, Indianapolis,** Ind. School work. Gal. I, Z-7 851

165. **Hahnemann Medical College and Hospital**, Philadelphia. Medical specimens, views of college, etc. Gal. I, Z-6 852

166. **Hamilton College, Clinton, N. Y.** Books, astronomical charts etc., Gal. K,K-6 851

167. **Hamline University, St. Paul, Minn.** Photographs, charts, written work, books, etc. Gal. A, A-7 851

168. **Hampton Normal and Agricultural** Institute, Hampton, Va. Educational and technological work of colored and Indian students. Gal. I, V-1 848, 852

169. **Harvard University, Cambridge,** Mass. Charts, photographs, publications, etc. Gal. K, O-6 851

170. **Indiana State Normal School, Valparaiso,** Ind. Maps, charts, etc. Gal. I, Z-7 852

171. **Indian Industrial School, Carlisle, Pa.** Work, photographs, courses of study, etc. Gal. I, Z-7 848

172. **Indiana University, Bloomington, Ind.** Maps, charts, books, etc. Gal. I, Z-7 851

173. **Iowa State Normal School, Cedar** Falls, Ia. School exhibit. Gal. A, D-17 852

174. **Jewish Training School, Chicago.** Shop-work, drawing, literary work, etc. Gal. K, U-1 847, 851

175. **Johns Hopkins University, Baltimore,** Md. Books, photographs, engravings, drawings, etc. Gal. I, V-7 851

176. **Kane, Thos. & Co., Chicago. School** desks and slates. Gal. I, Z-17 842
School furniture and apparatus of every description. Sole publishers of the Sivartha Charts of Life. Largest manufacturers of school slates in the world. No. 139 Wabash Ave.

177. **Kansas State Agricultural College,** Manhattan, Kan. Students' work, views, drawings, etc. Gal. A, A-17 852

178. **Kansas State Normal Sch'l, Emporia,** Kan. Students' work. Gal. A, A-17 851

179. **Maine State College, Orono, Me.** Collections, analyses, shop-work, etc. Gal. K, O-1 851

180. **Manual Training School of Washington** University, St. Louis. Drawings and shop-work. Gal. K, Q-1 847, 851

181. **Martin, Kate Byam, Chicago. Form** and color work. Gal. A, D-21 846

182. **Massachusetts Institute of Technology,** Boston. Books, theses, apparatus, shop-work, etc. Gal. K, Q-6 852
Technological and scientific.

183. **Massachusetts Normal Art School.** Boston. Students' work. Gal. A, F-19 and Gal. K, O-6 852

184. **Massachusetts State Normal Schoo** Collective exhibit from schools at Bridg water, Framingham, Salem, Westfield, a Worcester. Gal. K, O-1 8

185. **McClelland, Mary A., Albany. Ed** cational invention, ocular dèmonstrat Gal. F-U-103 8

186. **Michigan State Normal School, Yp** lanti, Mich. Students' work. Gal. I-U-1 8

187. **Michigan Agricultural College, Ag** cultural College, Mich. Products of fiel shops, laboratories, class-rooms, etc. Gal. I, U-6 8

188. **Milton Bradley Company, Sprin** field, Mass. Gal. I, Z-13
a Kindergarten materials. 8
b Manual training materials. 8
c Scientific materials. 8
d Drawing materials. 8

189. **Minneapolis School of Fine Ar** Minneapolis, Minn. Students' work. Gal. A, F-15 8

190. **Minnesota State Normal Schoo** Collective exhibit from schools at Ma kato, Moorhead, St. Cloud, Winona. Gal. A, A-7 8

191. **Mt. Holyoke College, South Hadle** Mass. History, photographs, studen work, etc. Gal. K, O-6 8

192. **Museum of Fine Arts, Boston. St** dents' work. Gal. A, Truss, F-19 8
Principal instructors F. W. Benson, E. Tarbell, C. H. Walker, J. L. Smith, E. Emerson, A.K.Cross. Circulars giving deta ed information, address Miss Lombard, M

193. **National Catholic Educational E** hibit. Educational exhibit. Gal. I, V-17-28 841, 847, 851, 8

194. **National Eclectic Medical Assoc** tion, Chicago. Books, diplomas, me cines, etc. Gal. I, Z-4 8

195. **National Kindergarten Normal Ins** tute, Washington, D. C. Children's wo Gal. A-D-23 8

196. **Nebraska State University, Linco** Neb. Laboratory exhibit, views, char etc. Gal. A, D-8 8

197. **New York College for the Training** Teachers, New York. Graduated cou in manual training. Gal. K, M-6 8

198. **New York State Normal Scho** Collective exhibit from schools at Co land, Fredonia, Oneonta, Oswego, a Plattsburg. Gal. K, L-6 8

199. **New York Trade Schools, New Yo** Students' work, courses of instruction, Gal. K, U-1

200. **Oberlin College, Oberlin, Ohio. Vie** diagrams, books, etc. Gal. I, truss T-11

Primary, Secondary and Superior Education.

01. **Ogontz School, Ogontz, Pa.** Pictures, casts, specimens, schedules, etc. Gal. K, I-6 851

02. **Ohio Normal University, Ada, O.** Students' work. Gal. I, T-11 852

03. **Ohio Wesleyan University, Delaware, Ohio.** Students' work. Gal. I, Truss, T-11 851

04. **Pennsylvania Academy of Fine Arts, Philadelphia.** Students' work. Gal. A, F-11 846

05. **Pennsylvania Museum and School of Industrial Art, Philadelphia.** Students' work. Gal. A, F-11 846

06. **Pennsylvania State College, State College, Pa.** History, maps, apparatus, students' work, etc. Gal. K, F-8 851

07. **Pennsylvania State Normal Schools.** Collective exhibit from schools at Bloomsburg, Indiana, Kutztown, Slippery Rock and West Chester. Gal. K, E-6 852

08. **Philadelphia School of Design for Women, Philadelphia.** Students' work. Gal. A, Truss, F-11 846

09. **Polytechnic Institute, Brooklyn, N. Y.** Drawings, photographs, manuscripts, etc. Gal. K, L-1 851

10. **Prang Educational Company, Boston.** Models, text-books, drawings, materials, etc. Gal. A, E-8 846

he Prang course in art education for pub- : schools, and the course of instruction in e Prang normal art classes.

11. **Pratt Institute, Brooklyn, N. Y.** Gal. K, E-1

a Manual work. 843, 844
b Science teaching. 845
c Industrial and fine art. 846
d Technical and trade work. 847
e Literary work. 851

his institute was founded by Charles Pratt r the promotion of art, science, literature, dustry and thrift. Ten departments owing complete exhibit of courses of udy, organization and equipment. Four ousand students enrolled in 1891-92, and 5 teachers.

12. **Purdue University, La Fayette, Ind.** Shop-work, models, apparatus, theses, etc. Gal. I, Z-7 851

13. **Rensselaer Polytechnic Institute, Troy, N. Y.** Work of students and graduates. Gal. K, G-1 852

14. **Ripley, Mrs. E. C., Hartford, Conn.** Designs for wall paper. Gal. F, U-103 846

15. **Ripon College, Ripon, Wis.** Photographs, students' work, catalogues, etc. Gal. A, D-7 851

16. **Rochester Athenæum & Mechanics' Institute, Rochester, N. Y.** Drawings, paintings, modeling, etc. Gal. K, M-1 846

217. **School of Fine Arts, Jacksonville, Ill.** Students' work. Gal. A, F-15 846

218. **School of Fine Arts, St. Louis.** Students' work. Gal. A, F-19 846

219. **School of Industrial Art and Technical Design for Women, New York.** Gal. A, F-15 846

Entirely woman's work. These designs can be manufactured from—by weaving or printing—at once, as they are all thoroughly practical working designs. Can be taught by correspondence. For further particulars address Mrs. Florence Elizabeth Cory, 134 Fifth Avenue, New York City, N. Y.

220. **Smith College, Northampton, Mass.** Pictures and pamphlets. Gal. K, O-6 851

221. **South Dakota, State of. Educational** exhibit. Gal. A, A-7 850

222. **Spring Garden Institute, Philadelphia.** Drawings, paintings, wood and metal work, etc. Gal. A, F-11 846, 847

223. **St. John's College, Annapolis, Md.** Students' work, photographs, catalogues, etc. Gal. I, V-7 851

224. **State of Arkansas. Educational exhibit.** Gal. A, Z-17 850

225. **State of Colorado. Educational exhibit.** Gal. A, D-17 850

226. **State of Connecticut. Educational** exhibit. Gal. K, U-6 850

227. **State of Florida. Eucational exhibit.** Gal. A, E-1 850

228. **State of Indiana. Educational exhibit.** Gal. I, Z-7 850

229. **State of Iowa. Educational exhibit.** Gal. A, D-17 850

230. **State of Kansas. Educational exhibit.** Gal. A, A-17 850

231. **State of Kentucky. Educational exhibit.** Gal. I, T-15 850

232. **State of Maine. Educational exhibit.** Gal. K, O-1 850

233. **State of Maryland. Educational exhibit.** Gal. I, V-7 850

234. **State of Massachusetts. Educational** exhibit. Gal. K, O-1 850

235. **State of Michigan. Educational exhibit.** Gal. I, U-1 850

236. **State of Minnesota. Educational exhibit.** Gal. A, A-7 850

237. **State of Missouri. Educational exhibit.** Gal. I, V-17 850

238. **State of Montana. Educational exhibit.** Gal. I, Z-10 850

239. **State of Nebraska. Educational exhibit.** Gal. A, D-11 850

240. **State of New Hampshire. Educational exhibit.** Gal. K, U-1 850

241. **State of New Jersey. Educational** exhibit. Gal. A, E-6 850

242. **State of New York.** Educational exhibit. Gal. K, L-6 850

243. **State of North Dakota.** Educational exhibit. Gal. I, Z-10 850

244. **State of Ohio.** Educational exhibit. Gal. I, T-11 850

245. **State of Oregon.** Educational exhibit. Gal. A, D-17 850

246. **State of Pennsylvania.** Educational exhibit. Gal. K, F-6 850

247. **State of Rhode Island.** Educational exhibit. Gal. K, R-1 850

248. **State of West Virginia.** Educational exhibit. Gal. K, E-1 850

249. **Tadd, J. Liberty, Philadelphia.** Industrial art and manual training. Gal. I, U-1 846, 847

250. **Territory of Utah.** Educational exhibit. Gal. A, A-7 850

251. **Thayer & Chandler, Chicago.** Air brush and paintings produced by it; ink eraser. Gal. E, L-103 846

252. **Toledo Manual Training School, Toledo, Ohio.** Shop-work exercises, sewing, drawings, photographs, etc. Gal. K, R-I 847, 851

253. **Tufts College, College Hill, Mass.** Students' work, photographs, etc. Gal. K, O-6 851

254. **United States School Furniture Company.** School furniture. Gal. I, Z-11 842

255. **University of Michigan, Ann Arbor, Mich.** Plans, photographs, publications, work, etc. Gal. K, R-6 851

256. **University of Minnesota, Minneapolis, Minn.** Photographs, charts, students' work, etc. Gal. A, A-7 851

257. **University of the South, Sewanee, Tenn.** Photographs of buildings. Gal. I, W-1 851

258. **University of Oregon, Eugene, Ore.** Catalogues, photographs, diagrams, etc. Gal. A, D-17 851

259. **University of Pennsylvania, Philadelphia.** Maps, publications, collections, etc. Gal. K, H-8 851

260. **University of the City of New York, New York.** Maps, apparatus, models, photographs, etc. Gal. K, K-8 851

261. **University of the State of Missouri, Columbia, Mo.** Students' work. Gal. I, V-17 851

262. **University of the State of New York.** Higher education and university extension. Gal. K, K-6 851

263. **Vassar College, Poughkeepsie, N. Y.** Photographs, books, methods, etc. Gal. K, K-6 851

264. **Way, Miss Leota, Harris, Col.** Designs for wall paper. Gal. F-U-103 846

265. **Wellesley College, Wellesley, Mas** Photographs, charts, etc. Gal. K, O-6 8

266. **Western University of Pennsylvani** Allegheny, Pa. Photographs and publ cations. Gal. K, H-8 8
The College. Engineering schools. All gheny Observatory. Medical College.

267. **Wheeler, C. Gilbert, Chicago.** Sc entific charts. Gal. I, Z-17 84

268. **Wilberforce University, Wilberforc** Ohio. Model of university building co taining literary and industrial exhibit. Gal. I, Truss, T-11 85

269. **Willamette University, Salem, Ore.** Students' work. Gal. A, D-17 85

270. **Williams College, Williamstow** Mass. Photographs, books, instrument etc. Gal. K, O-6 85

271. **Wisconsin, State of. Educationa** exhibit. Gal. A, D-7 85

272. **Wisconsin State Normal School** Collective exhibit from schools at Milwau kee, Oshkosh, Platteville, River Falls an Whitewater. Gal. A, D-7 85

273. **Wisconsin State University, Madisor** Wis. Work of students and graduate photographs, etc. Gal. A, D-7 85

274. **Woman's Art School of Coope** Union, New York. Students' work. Gal. A, Truss, F-11 84

275. **Woman's College of Baltimore, Balti** more, Md. Art collection, chemical prepa ations, models, views, etc. Gal. I, V-7 85

276. **Woman's Medical College of Penn** sylvania, Philadelphia. Photographs, et Gal. I, Z-8 85

277. **Yale University, New Haven, Conn** Maps, photographs, books, models, et Gal. K, U-6 85
Photographic views of University building exteriors and interiors, apparatus an collections.

GROUP 150.

Literature, Books, Libraries, Journalism

278. **Albert, Scott, & Co., Chicago.** Schoo books. Gal. E, D-108 85

279. **American Bank Note Company, Nev** York. Bank note engraving and litho graphing. Gal. E, N-108 85

280. **American Lithographic Company** New York. Art and commercial litho graphs. Gal. E, M-105 85

281. **Appleton, Daniel & Co., New York** Books. Gal. D, D-108 85

282. **Bardeen, C. W., Syracuse, N. Y** School publications, maps, supplies, etc Gal. E, K-108 85
Gold medal awarded Paris Exposition 1889

Literature, Books, Libraries, Journalism.

283. **Barrie, George, Philadelphia.** Books and engravings. Gal. E, G-108 854

284. **Betz, Carl, Kansas City, Mo.** Gymnastic manuals. Gal. E, I-108 855

285. **Bonaventure, E. F., New York.** Books, bindings, manuscripts, etc. Gal. E, K-109 854

286. **Britannica Publishing Company, New York.** Encyclopædia. Gal. E, F-107 854

287. **Brodix Publishing Co., Washington, D. C.** Monthly magazine. Gal. F, U-103 854

288. **Campbell, J. B., Chicago.** Illustrated magazine and lithographs. Gal. D, C-108 857

289. **Central School Supply House, Chicago.** School supplies. Gal. E, F-105 855

290. **Century Company, New York.** Books, magazines, drawings, and materials for wood engraving. Gal. E, D-109 854
The Century Magazine, St. Nicholas, Century Dictionary, Century War Book, Lincoln Life, hymn books, miscellaneous books, valuable manuscripts (especially of Lincoln and Grant), original pictures and proofs, showing how manuscripts and illustrations are prepared for publication.

291. **Colby & Co., New York.** Historical charts. Gal. E, E-107 854

292. **Columbian Art Engraving & Publishing Co., Philadelphia.** Engravings and half-tone reproductions. Gal. E, L-106 854

293. **Davis, F. A., Company, Philadelphia.** Medical books, charts and periodicals. Gal. E, E-103 854

294. **Dickert, Miss Clara, Chicago.** Relief map of Palestine. Gal. F, U-103 864

295. **Donham, G. M., Portland, Me.** Maine state year book. Gal. E, I-108 862

296. **Duprat & Co., New York.** Books. Gal. E, E-108 854

297. **Educational Publishing Company, Boston.** Text-books. Gal. E, E-106 855

298. **Estes & Lauriat, Boston.** Books. Gal. E, K-109 854

299. **Fairbank & Rolison, Chicago.** School books. Gal. E, E-107 855

300. **Fishel, Adler & Schwartz, New York.** Engravings, etchings, etc. Gal. E, L-107 854

301. **Flanagan, A., Chicago.** School books, charts, maps, apparatus, etc. Gal. E, D-108 855

302. **Freund, Wm., & Sons, Chicago.** Copper plate and steel die work. Gal. E, L-108 854

303. **Gallison & Hobron Co., Chicago.**
a Engravings. Gal. E, K-108 854
b Trade journals. 860

304. **Ginn & Co., Boston.** School books, charts, etc. Gal. E, E-107 855

305. **Godey Publishing Company, New York.** Magazines. Gal. E, H-109 854

306. **Good Health Publishing Company,** Battle Creek, Mich. Books, pamphlets, etc. Gal. E, E-104 854
Publisher of "Good Health" and various popular health and medical works. 28 College Place, Chicago; 43 Bond st., New York City; 451 Holloway Road, N. London, England.

307. **Gugler Lithographic Company, Milwaukee, Wis.** Lithographs. Gal. E, K-105 854

308. **Harper Bros., New York.**
a Books, magazines, drawings, engravings, etc. Gal. E, E-109 854
b Illustrated papers. 857

309. **Heath, D. C., & Co., Boston.** School books, charts, maps, etc. Gal. E, E-106 855

310. **Hoover, Joseph, Philadelphia.** Lithographic fac-similes of pastels and water colors. Gal. E, K-105 854
Est. 1858. Lithographer and publisher of fac-simile pastels and water colors, for sale by picture dealers throughout the United States, Canada and London. The best and finest pictures for the least money. Prize medal awarded at Centennial Exposition, 1876. Send for illustrated catalogue.

311. **Houghton, Mifflin & Co., Boston.** Books and magazines. Gal. E, F-108 854
The Riverside Press, Cambridge, Mass.; 4 Park St., Boston; 11 East 17th St., New York; 28 Lakeside Building, Chicago; 2 Paternoster Square, London. General publishers, including the leading American authors, Longfellow, Whittier, Emerson, Lowell, Holmes, Hawthorne, etc.

312. **Illustrated American Publishing Company, New York.** Art magazine. Gal. E, K-109 857

313. **Interstate Publishing Company, Boston.** School books, charts, etc. Gal. E, E-106 855

314. **Judd, Orange, Company, New York.** Books and periodicals. Gal. E, F-108 854
Publishers of the "American Agriculturist," books on agriculture, horticulture and rural arts. Catalogue of books and sample copy of "American Agriculturist" mailed free on application. See our exhibit, Section E, Gallery department, Manufactures and Liberal Arts Building.

315. **Keener, Wm. T., Chicago.** Medical books. Gal. E, F-104 854

Literature, Books, Libraries, Journalism.

316. **Kellogg, E. L., & Co., New York.** School books, charts, maps, appliances, etc. Gal. E, D-108 855

317. **Leach, Shewell & Sanborn, Boston.** School books. Gal. E, E-107 855

318. **Levytype Company, Philadelphia.** Engravings, prints, etc. Gal. E, K-104 854

319. **Lieber, B. Franklin, New York.** Telegraphic book and magazine. Gal. E, I-108 854

320. **Lippincott, J. B., Company. Philadelphia.** Books. Gal. E, E-108 854

321. **Lovell, A., & Co., New York.** School books, charts, etc. Gal. E, E-106 855

322. **Manufacturers' Publishing Company,** New York. Directory of manufactures. Gal. E, E-108 860

323. **Marks, Montague, New York.** Methods of illustrating an art magazine. Gal. D, D-108 857

324. **McClurg, A. C., & Co., Chicago.** Books. Gal. E, F-108 854

Their establishment at 117-121 Wabash avenue has been called "The best book store in the world."

325. **Merck & Co., New York. Drug and** medical trade journals. Gal. D, F-98 860

M'f'rs, importers, exporters of chemicals and drugs for medicinal, technical, analytical uses. Publishers Merck's Index, a summary of chemical products adjudged useful in medicine or technology; $1.00 per copy; also Merck's Market Report, a monthly pharmaceutical magazine; $1.50 per year.

326. **Merriam, G. & C. Co., Springfield,** Mass. Webster's dictionaries. Gal. E, E-109 854

327. **Morgan, W. J., & Co., Cleveland,** Ohio. Lithograph. Gal. E, K-105 854

328. **Moss Engraving Company, New** York. Engravings. Gal. E, L-106 854

329. **National Christian Science Co., Chi**cago. Books, pamphlets, tracts, etc. Gal. D, B-108 854

330. **New England Publishing Company,** Boston. School books and periodicals. Gal. E, E-107 855

331. **North American Review, New York.** Bound volumes, manuscripts, portraits, etc. Gal. D, B-108 854

332. **Open Court Publishing Company** Chicago. Books, magazines and charts. Gal. E, C-108 854

333. **Park Commissioners of Boston, Bos**ton. Maps and photographs of park system. Gal. K, N-1 864

334. **Phonographic Institute, Cincinnati.** Phonographic text-books. Gal. E, I-108 855

Series of shorthand text-books by Benn Pitman and Jerome B. Howard. The standard of American shorthand instruction since 1853. Silver medal at Cincinnati, 1888. Designated as the "American System of Shorthand" in the Official Report of the Commissioner of Education, 1887–8.

335. **Plimpton, Geo. A., New York. His**torical collection of school books. Gal. E, E-107 855

336. **Post, Alfred A., Boston. Volapük** literature. Gal. E, I-108 854

337. **Prang, L., & Co., Boston. Chromo**lithographic art prints. Gal. E, K-108 854

338. **Rand, McNally & Co., Chicago.** Gal. E, M-108
   a Books, printing, engraving, etc. 854
   b Maps, globes, etc. 864

339. **Revell, Fleming H., Company, Chi**cago. Books and periodicals. Gal. E, E-108 854

340. **Salem Press Publishing & Printing** Co., Salem, Mass. Books, charts, engravings. Gal. E, I-108 854

Historical and scientific publications of Essex Institute, including its bulletin and collections, and the reports and memoirs of Peabody Academy of Science; also local historical sketches, guides, itineraries for visitors, etchings of Salem, etc. See E. I. exhibit in Massachusetts Building.

341. **Schedler, Hermann, New York.**
   a Lithographs. Gal. E, L-107 854
   b Geographical globes. 864

342. **Scholl, Bruno, Brooklyn, N. Y.** Show posters. Gal. E, M-103 854

343. **Scribner's, Charles, Sons, New York.** Books, magazines, manuscripts, drawings, engravings, etc. Gal. E, G-109 854

344. **Sheldon, Mrs. May F., Chicago.** Books of travel. Gal. F, U-103 854

345. **Shober & Carqueville Lithographing** Co., Chicago. Lithographs. Gal. E, L-106 854

346. **Silver, Burdett & Co., Boston.** School books, charts, maps, etc. Gal. E, E-105 855

347. **Stearns, Norman W., Middleboro,** Mass. Samoan manuscripts. Gal. E, F-108 854

348. **Tuchfarber, F., Company, Cincin**nati. Show cards. Gal. E, L-105 854

349. **University Publishing Company, New** York. Books, charts, etc. Gal. E, E-105 855

350. **Watson, Stephen M., Portland, Me.** Magazine. Gal. E, I-108 854

351. **Wells, Charles R., Syracuse, N. Y.** System of penmanship. Gal. E, K-108 855

352. **Western Bank Note & Engraving Co., Chicago.** Steel plate and lithographic engravings. Gal. E, M-108 854

353. **White, James T., & Co., New York.** Cyclopædia of biography. Gal. E, I-108 854

354. **Wilson, G. H., Boston.** Musical publications. Gal. E, F-107 854

355. **Wood, Wm., & Co., New York.** Medical books. Gal. E, F-103 854

356. **Zeese, A., & Co., Chicago.** Process engravings, electrotypes, etc. Gal. E, K-104 854

Plates for letter-press printing. Half-tone engravings direct from photographs, wash drawings, etc. Zinc etchings from pen drawings or prints. Wax engravings of maps, plats, etc. Lithogravures of fine lettering and ornamentation. Photo-electrotype reproductions of book pages.

GROUP 151.

Instruments of Precision, Experiment, Research and Photography. Photographs.

357. **Albertype Company, New York.** Albertypes. Gal. E, O-103 871

358. **Albright, Franc Luse, Albuquerque,** New Mexico. Amateur photographs. Gal. F, U-103 871

359. **Alexander, Louis, Brooklyn, N. Y.** Optical goods. Gal. E, R-101 874

360. **Alteneder, Theo., & Sons, Philadelphia.** Drawing instruments. Gal. E, M-103 867

361. **American Aristotype Company,** Jamestown, N. Y. Photographs on aristo paper. Gal. E, Q-103 871

362. **American Cash Register Company,** Chicago. Cash register. Gal. E, R-101 865

363. **Anthony, E. & H. T., & Co., New** York. Photographic apparatus and supplies. Gal. E, P-103 871

364. **Appleton, J. M., Dayton, O.** Photographs. Gal. E, N-104 871

365. **Aune, Portland, Ore.** Photographs. Gal. E, P-104 871

366. **Baker's Art Gallery, Columbus, O.** Photographs. Gal. E, N-105 871

367. **Ball-Ball Company, Philadelphia.** Drawing instruments. Gal. E, N-103 867

368. **Bausch & Lomb Optical Co., Rochester, N. Y.** Optical goods. Gal. E, P-101 874

369. **Beehler, William H., Baltimore, Md.** Solarometers. Gal. E, N-102 866

370. **Blair Camera Company, Boston.** Photographic apparatus. Gal. E, Q-103 871

371. **Boston Cash Register Company,** Northampton, Mass. Cash registers. Gal. E, S-102 865

372. **Brashear, Jno. A., Allegheny, Pa.** Telespectroscopes, telescopes, spectroscopes, etc. Gal. E, N-102 866

373. **Breese, James L., New York.** Carbon portraits and reproductions. Gal. E, N-108 871

374. **Buff & Berger, Boston.**
a Surveyors' instruments. Gal. E, M-101 867
b Engineers' instruments. 868

375. **Chicago Photogravure Company,** Chicago. Photogravures. Gal. E, O-103 871

376. **Clark, D. R., Chicago.** Photographs. Gal. E, P-108 871

377. **Commercial Adding Machine Company,** St. Louis. Registering accountants. Gal. E, R-102 865

378. **Conant, Hezekiah, Pawtucket, R. I.** Clocks, etc. Gal. E, N-103 873

379. **Cox, George C., New York.** Photographs. Gal. E, O-107 871

380. **Dana, Edw. C., New York.** Photographs. Gal. E, O-108 871

381. **Davis & Cook, Watertown, N. Y.** Spirit levels. Gal. E, N-102 868

382. **Davis & Sanford, New York.** Photographs and photogravures. Gal. E, O-104 871

383. **Dayton Autographic Register Company,** Dayton, Ohio. Autographic triplicate registers. Gal. E, S-101 865

384. **Eastman Kodak Company, Rochester,** N. Y. Photographic goods. Gal. E, P-103 871

385. **Eddy, Geo. M., & Co., Brooklyn, N.** Y. Measuring tapes. Gal. E, R-101 865

386. **Electro-Tint Engraving Company,** Philadelphia. Half-tone engravings. Gal. E, P-103 871

387. **Elliott, J. M., Columbus, Ohio.** Photograph. Gal. E, N-104 871

388. **Farnsworth, Emma J., Albany, N. Y.** Amateur photographs. Gal. F, U-103 871

389. **Fauth & Co., Washington, D. C.** Telescopes, astronomical apparatus, and geodetic instruments. Gal. E, truss M-101 866

390. **Geneva Optical Company, Chicago.** Optical goods. Gal. E, Q-102 874

Manufacturers of spectacles and oculists' outfits, trial cases, lens measures, photographic supplies, optical goods generally.

391. **Gramm, Carl T., Keokuk, Iowa.** Photomicrographs. Gal. D, truss 98 871

392. **Gundlach Optical Company, Rochester, N. Y.** Gal. E, O-102
a Photographic lenses. 871
b Microscope stands, etc. 874

393. **Gurley, W & L. E., Troy, N. Y.**
a Surveyors' instruments.
Gal. E, truss M-101 867
b Civil engineers' instruments. 868

394. **Gutekunst, F., Company, Philadelphia.** Photographic portraits and photomechanical printing. Gal. E, N-108 871

395. **Hardy, F. A., & Co., Chicago. Optical** instruments and apparatus.
Gal. E, truss R-101 874

396. **Harrison, Thomas, Chicago. Photo**graphs. Gal. E, O-108 871

397. **Hatton, M. F., Princeton, Ind. Pho**tographs. Gal. E, P-106 871

398. **Heimberger, C., & Son, New Albany,** Ind. Photographs. Gal. E, P-104 871

399. **Heinrich, H. H., New York. Chro**nometers. Gal. E, N-102 873

400. **Inglis, James, Chicago. Bromide** photographs. Gal. E, S-103 871

401. **Jackson, W. H., Photograph & Pub**lishing Co., Denver, Col. Photographic views of landscape. Gal. E, P-103 871

402. **Keuffel & Esser, New York. Sur**veying instruments and drawing materials. Gal. E, M-103 867

403. **Keystone Blue Paper Company, Phil**adelphia. Photographic and drawing papers. Gal. E, S-103 871
Importers and sensitizers. Information concerning exhibit, papers and prices will be furnished at either of their offices, 425 Locust St., Philadelphia, or at their western factory, Chicago Blue Print Paper Co., 211 and 213 Randolph St., Chicago.

404. **Keystone Dry Plate & Film Works,** Philadelphia. Photographs, dry plates and specialties. Gal. E, R-103 871
Pioneer manufacturer of gelatino-bromide and orthochromatic plates and celluloid films in America. Established 1878. Don't fail to call at our exhibit.

405. **Klein, George J., Chicago. Photo**graphs. Gal. E, P-107 871

406. **Landy, James, Cincinnati. Photo**graphs. Gal. E, N-106 871

407. **Levy, Max, Philadelphia. Engraved** photographic screens. Gal. E, M-107 871

408. **Long, Mrs. J. G., Chester, Pa. Ama**teur photographs. Gal. F, U-103 871

409. **Manasse, L., Chicago.**
a Meteorological instruments. 287
Gal. E, Q-101
b Optical goods. 874

410. **McAllister, T. H., New York. Stere**opticons, magic lanterns, etc.
Gal. E, M-103 874

411. **McIntosh Battery & Optical Co.,** Chicago. Gal. E, N-103
a Optical apparatus. 874
b Electrical apparatus, etc. 875

412. **McMichael, H., Buffalo, N. Y. Pho**tographic studies. Gal. E, N-107 871

413. **Morrison, William M., Chicago. Pho**tographs. Gal. E, P-107 871

414. **National Cash Register Company,** Dayton, Ohio. Cash registers.
Gal. E, T-102 865

415. **Northwestern University, Evanston,** Ill. Barometers, chronograph, etc.
Gal. E, N-101 872

416. **Pach Bros., New York. Photo**graphs. Gal. E, N-107 871

417. **Photo-Materials Company, Roches**ter, N. Y. Photographic apparatus and supplies, portraits, etc.
Gal. E, T-103 871

418. **Place, Frank A., Chicago. Photo**graphs and portraits. Gal. E, P-107 871

419. **Queen & Co., Philadelphia.**
a Optical goods. Gal. E, Q-102 874
b Scientific apparatus for technical and educational work.
Gal. E, truss N-101 867

420. **Radam, Wm., New York. Micro**photographs. Gal. E, O-104 871

421. **Randall, H., Ann Arbor, Mich. Pho**tographs. Gal. E, O-106 871

422. **Rau, Wm. H., Philadelphia. Photo**graphs and lantern slides.
Gal. E, O-108 871

423. **Rhodes, R. S., Chicago. Audiphones.**
Gal. E M-103 876

424. **Robinson, S. W., Columbus, Ohio.** Velocity meter and templet odontograph.
Gal. E, N-101 867

425. **Rogers, William A., Waterville, Me.** Standards of length; comparing and graduating machines.
Gal. E, truss N-101 865

426. **Root, W. J., Chicago. Photographs** and portraits. Gal. E, P-108 871

427. **Savage, C. R., Salt Lake City, Utah.** Photographic views. Gal. E, P-104 871

428. **Scholl, J. B., Chicago. Photographs.**
Gal. E, P-107 871

429. **Schumacher, F. G., Los Angeles,** Cal. Photographs. Gal. E, P-105 871

430. **Scott, O. P., Chicago. Photographs.**
Gal. E, P-108 871

431. **Slade, Elizabeth Almy, New York.** Amateur photographs. Gal. F, U-103 871

432. **Spencer Optical Manufacturing Com**pany, New York. Optical goods.
Gal. E, truss P-101 874

433. **Standard Manufacturing Company,** East Stroudsburg, Pa. Cash register.
Gal. E, S-102 865

434. **Steckel, Geo., Los Angeles, Cal.** Platinotypes, and albumen and aristo-prints. Gal. E, O-105 871

435. **Stein & Rosch, Chicago.** Photographs, portraits, genre and architectural views. Gal. E, N-108 871

436. **Strauss, Julius C., St. Louis.** Photographs. Gal. E, P-108 871

437. **Warner & Swasey, Cleveland, O.** Telescopes and chronograph. Gal. E, O-101 866

438. **Willis & Clements, Philadelphia.** Platinotype photographs. Gal. E, O-108 871

439. **Woodbridge, Mrs. L. D., Chester, Pa.** Amateur photographs. Gal. F, U-103 871

440. **Yates, Arthur P., Syracuse, N. Y.** Bromide print. Gal. E, P-103 871

441. **Young & Sons, Philadelphia.**
a Surveying and mining instruments. Gal. E, truss M-101 867
b Engineering instruments. 868

442. **Zentmayer, Joseph, Philadelphia.** Microscopes. Gal. E, truss P-101 874

GROUP 152.

Civil Engineering, Public Works, Constructive Architecture.

443. **Allen, F. S., Joliet, Ill.** School architecture. Gal. E, W-108 889

444. **Berry, Washington, Angel Island, Cal.** Sash balance and lock. Gal. E, S-109 889

445. **Bodine Roofing Company, Mansfield, O.** Roofing, ceiling, etc. Gal. E, Q-108 889

446. **Byrkit-Hall Sheathing Lath Company, Chicago.** Wooden sheathing-lath. Gal. E, S-109 889

447. **Dormitzen, Mrs. Henry, New York.** Window seats and platforms. Gal. F, U-103 889

448. **Edgcumbe, A., Rendle & Co., Philadelphia.** Glass roofing. Gal. E, V-108 889

449. **Gardner Sash Balance Company.** Sash balance. Gal. E, Q-109 889

450. **Greene, Francis V., & Mary A., Philadelphia.** Reversible window. Gal. E, R-109 889

451. **Habel, Peter, Chicago.** Reversible window. Gal. E, R-109 889

452. **Landis, I. L., Lancaster, Pa.** Metallic curbing. Gal. E, U-108 879

453. **McMillan Sash Balance Company, Pittsburg, Pa.** Sash balance and locks. Gal. E, Q-109 889

454. **Nichols, Mrs. Minerva Parker, Philadelphia.** Photographs of architectural designs. Gal. F, U-103 889

455. **Page, Harvey L., Washington, D. C.** Architectural photographs. Gal. E, Y-108 889

456. **Poppert, George, Milwaukee, Wis.** Blinds, doors and stairs. Gal. E, P-109 889

457. **Santi, Philip Louis, New York.** Architectural plans. Gal. E, X-108 889

458. **Schaeffer, F. W., Chicago.** Cornice work. Gal. E, T-109 889

459. **Sykes Iron & Steel Roofing Co., Niles, O.** Pagoda house. Gal. E, T-108 889

460. **Taylor, Samuel C., Chicago.** Reversible window. Gal. E, R-109 889

461. **Tracy, Mrs. Harriet Ruth, New York.** Automatic elevator. Gal. F, U-103 889

462. **Wall, Wm. E., Somerville, Mass.** Graining. Gal. E, T-109 889

463. **Willer Manufacturing Company, Milwaukee, Wis.** Staircase and blinds. Gal. E, S-108 889

464. **Wilson, Jas. G., New York.** Shutters, blackboards, doors, etc. Gal. E, O-109 889

465. **Wolfenden, Mrs. J. H., Highlands, Col.** Apparatus for removing and replacing windows. Gal. F, U-103 889

GROUP 153.

Government and Law.

466. **Cutler Manufacturing Company, Rochester, N. Y.** Mail chutes and boxes. Gal. E, U-108 893

467. **Hess Postal Facility & Supply Co., Philadelphia.** Postal boxes. Gal. E, T-108 893

468. **State of New York, Comptroller's Office.** Reports, documents, historical data, etc. Gal. E, T-108 890

469. **State of New York, Insurance Department.** Reports, documents, statistics, etc. Gal. E, T-108 890

470. **State of New York, Treasurer's Department.** Documents, statistics, reports, etc. Gal. E, U-108 890

471. **Stoner, Mrs. James M., Denver, Col.** Mail box. Gal. F, U-103 893

472. **United States Mailing Case Company, Boston.** Mailing cases. Gal. E, N-105 893

473. **United States Trade Mark Association, New York.** Trade marks, literature and laws. Gal. E, U-107 892
A mutual benefit association for protecting trade marks and labels.

GROUP 154.

Commerce, Trade and Banking.

474. **Abbott Machine Company, Chicago.** Check perforators, canceling machines, money changers, etc. Gal. E, T-106 898
Dating perforators for R. R. tickets. Check punches made to suit the money of any country. Our machines contain more characters than any other. Bread knives in sets.

475. **American Vending Machine Company, New York.** Vending machines. Gal. E, T-105 898

476. **Cary, Jr., Mrs. James, Baltimore.** Chart and stamp system at Young Women's Christian Ass'n. Gal. F, U-103 903

477. **Durant, W. N., Milwaukee, Wis.** Printing-press counters, turn-stiles, etc. Gal. E, T-107 898

478. **Lamson Consolidated Store Service Company, Boston.** Cash and parcel carriers, mailing cases, etc. Gal. E, T-103 898

479. **Lamson Store Equipment Company, Boston.** Registering measuring machines. Gal. E, T-105 898

480. **Lightning Check Punch Company, Bridgeport, Conn.** Check punches, etc. Gal. E, U-107 898

481. **New York Life Insurance Company, New York.** Diagrams, etc. Gal. E, T-108 902

482. **Standard Autograph Time Recorder Company, Boston.** Time recorder. Gal. E, T-107 898

GROUP 156.

Social, Industrial and Co-operative Associations.

483. **Grand Lodge of Good Templars of Illinois.** Development of the order. Gal. E, V-109 917

GROUP 157.

Religious Organizations and Systems—Statistics and Publications.

484. **American Bible Society, New York.** Bibles, Testaments, and portions in various languages. Gal. D, A-101 922

485. **American Humane Ass'n, Chicago, Ill.** Work of the society in preventing cruelty to animals and children. Gal. E, V-108 924

486. **American Peace Society, Boston.** Books, treaties, diagrams, etc. Gal. D, A-98 924

487. **American Tract Society, New York.** Publications, statistics, etc. Gal. D, A-99 922

488. **Church of Christ. (Disciples.) Development and progress.** Gal. D, A-102 919

489. **Church of the United Brethren in Christ in the World.** Development and progress. Gal. D, C-102 919
Church and Sunday-school supplies.

490. **Concordia Publishing House, Chicago.** Publications of the Lutheran church. Gal. E, E-104 922

491. **Congregational Denomination in America.** Development and progress. Gal. D, A-102 919

492. **Lutheran Church of America. Church** development. Gal. D, B-102 919

493. **Methodist Episcopal Church. Development and progress.** Gal. D, A-103 919

494. **National Christian Association.** Portraits, drawings, publications, etc. Gal. D, A-104 924

495. **National Temperance Society, New York.** Books, pamphlets, tracts and charts. Gal. D, A-104 924

496. **New Jerusalem Church of America.** Church work. Gal. D, B-102 919

497. **Norwegian Evangelical Lutheran Church of America.** Publications. Gal. D, B-102 919

498. **Presbyterian Church in the United States.** Development and progress. Gal. D, A-102 919

499. **Seventh Day Baptist Denomination.** Books, papers, photographs, etc. Gal. D, C-102 919

500. **Unitarian Church in the United States.** Books, charts, maps, etc. Gal. D, B-102 919

501. **United Society of Christian Endeavor.** Development and progress. Gal. D, A-98 924

502. **Universal Peace Union, Washington.** Books, arbitration rules, portraits, etc. Gal. D, A-98 924

503. **Young Men's Christian Association.** Association exhibit. Gal. D, A-102 924

GROUP 158.

Music and Musical Instruments—The Theatre.

504. **Albert, C. F., Philadelphia.**
a Violins, violas, etc. Sec. I, P-4 929
b Musical accessories. 936

505. **Albert, Eugene J., Philadelphia.**
a Violins, viola, violoncello, etc. Sec. I, P-4 929
b Violin tail-piece. 936

506. **Albert, John, Philadelphia. Double** bass viol. Sec. I, P-4 929

507. **Bacon, Francis, New York. Pianos.** Sec. I, U-3 930

508. **Banks, John W., Chicago. Guitars.** Sec. I, T-3 928

509. **Barckhoff, Carl, Church Organ Company, Salem, Ohio.** Pipe organ. (Music Hall.) 935

510. **Bauer, Julius, & Co., Chicago.** Pianos. Sec. I, R-8 930
Established 1857. First firm to manufacture on a large scale in Chicago. The Bauer piano is specially noted for fine workmanship and construction; ranks among the leading instruments wherever known.

511. **Behr Bros., Company, New York.** Pianos. Sec. I, P-8 930

512. **Bent, Geo. P., Chicago.**
a Pianos. Sec. I, P-6 930
b Reed organs. 935

513. **Boardman & Gray, Albany, N. Y.** Pianos. Sec. I, Truss, R-8 930

514. **Bohmann, Joseph, Chicago.**
a Zithers, guitars, banjos, etc. Sec. I, P-3 928
b Violins. 929

515. **Brainard's, S., Sons Company, Chicago.** Sheet music, books, etc. Sec. I, W-7 926

516. **Bush & Gerts Piano Co., Chicago.** Pianos. Sec. I, U-8 930

517. **Carpenter, E. P., Company, Brattleboro, Vt.** Reed organs. Sec. I, T-5 925

518. **Chase, A. B., Company, Norwalk, Ohio.** Pianos. Sec. I, U-9 930

519. **Chase Bros., Piano Company, Muskegon, Mich.** Pianos. Sec. I, N-7 930

520. **Chicago Cottage Organ Company, Chicago.**
a Pianos. Sec. I, P-4 930
b Reed organs. 935

521. **Chickering & Sons, Boston. Pianos.** Sec. I, N-2 930

522. **Clark, A. B., Richmond, Ind. Violins.** Sec. I, Q-4 929

523. **Colby Piano Company, Erie, Pa.** Pianos. Sec. I, X-8 930

524. **Coleman, Harry, New York. Brass** musical instruments. Sec. I, P-3 933

525. **Columbian Organ & Piano Co., Grand** Crossing, Ill. Reed organs. Sec. I, T-3 935

526. **Conn, C. G., Elkhart, Ind. Band instruments.** Sec. I, Q-1 927–931–934

527. **Consolidated Manufacturing Company, Boston.** Pianos. Sec. I, T-6 930

528. **Dickinson Ivory Company, Centerbrook, Conn.** Piano keys, etc. Sec. I, R-6 930

529. **Ditson, Oliver, Company, Boston.** Sheet music and music books. Sec. I, W-8 926

530. **Dolge, Alfred, New York. Pianoforte materials.** Sec. I, Y-8 930
Piano and organ felts, piano felt hammers, damper, wedge, rubbing, polishing, printers, wall paper, buffer and cornplaster felts; also wheels, discs, cones, wool filters, and all possible kinds made of all-wool into felt. Warerooms, Nos. 110 and 112 East 13th Street, New York.

531. **Edna Piano & Organ Co., Monroeville, Ohio.** Reed organs and materials. Sec. I, T-4 935

532. **Estey Organ Company, Brattleboro,** Vt. Reed organs. Sec. I, O-3 935

533. **Estey Piano Company, New York.** Pianos. Sec. I, O-3 930

534. **Everett Piano Company, Boston.** Pianos. Sec. I, Truss, P-8 930

535. **Fischer, J. & C., New York. Pianos.** Sec. I, Truss, N-8 930

536. **Flechter, Victor S., New York.**
a Violins, violas, etc. Sec. I, Q-6 929
b Musical accessories. 936

537. **Foote, J. Howard, Chicago.**
a Guitars, mandolins, etc. Sec. I, Q-3 928
b Flutes. 931
c Cornets, horns, etc. 934

538. **Fort Wayne Organ Company, Fort** Wayne, Ind. Reed organs. Sec. I, S-6 935

539. **Friedrich, John, & Bro., New York.** Violins, violas, etc. Sec. I, R-6 929

540. **Fuller, Levi K., Brattleboro, Vt.** Tuning forks. Sec. I, V-3 936

541. **Gemunder, August, & Sons, New** York. Violins, cellos, violas, etc. Sec. I, Q-6 929

542. **Gerold, C. A., Chicago. Pianos.** Sec. I, X-7 930

543. **Hallet & Davis Piano Manufacturing** Co., Boston. Pianos. Sec. I, O-2 930

544. **Hardman, Peck & Co., New York.** Pianos. Sec. I, N-5 930
The Hardman Piano, through its original methods of construction and many patents, has obtained the highest recognition everywhere. It has wonderful power and great delicacy of tone, and is used by the best classes in America and England. Branch houses, Chicago, London, Philadelphia.

545. **Harrington, E. G., & Co., New York.** Pianos. Sec. I, O-5 930

546. **Hartman Bros. & Reinhard, New** York. Guitars, zithers, mandolins etc. Sec. I, S-5 928

547. **Haynes, John C., & Co., Boston.**
a Guitars, banjos, mandolins and zithers. Sec. I, S-1 928
b Violins. 929

548. **Heskett, H. H., Minneapolis, Minn.** Violins. Sec. I, R-5 929

549. **Hinze, C., Chicago. Pianos.** Sec. I, X-7 930

550. **Ivers & Pond Piano Co., Boston.** Pianos. Sec. I, W-8 930

551. **Jacob Bros., New York** Pianos. Sec. I, T-7 930

552. **Keller Bros. & Blight, Bridgeport,** Conn. Pianos. Sec. I, U-5 930
Established 1882. 10,000 in use. Special 6 1-3 octave piano for new beginners.

553. **Kimball, W. W., Company, Chicago.**
a Pianos. Sec. I, P-8 930
b Reed organs. 935

554. **Kranich & Bach, New York** Pianos. Sec. I, N-8 930

555. **Kreling, F. W. & Sons, San Francisco.** Banjos and banjorines. Sec. I, R-6 928

556. **Krell, Albert, Cincinnati. Violins,** etc. Sec. I, P-5 929

557. **Krell Piano Company, Cincinnati.** Pianos. Sec. I, X-8 930

558. **Lawrence Organ Manufacturing** Company, Easton, Pa. Reed organs. Sec. I, T-6 935

559. **Lehr, H., & Co., Easton, Pa. Reed** organs. Sec. I, T-6 935
Lehr organs play piano and organ music, look exactly like an upright piano, and cost only one-third as much.

560. **Lyon & Healy, Chicago.**
a Drums, cymbals, etc. Sec. I, R-3 927
For thirty years Lyon & Healy's has been the great depot for band supplies of all kinds.
b Guitars, banjos, zithers, etc. 928
The Washburn guitars, banjos, mandolins and zithers made by Lyon & Healy are the best in the world. A beautiful souvenir catalogue will be mailed to your home if you will leave your address with the attendant.
c Violins, violoncellos, etc. 929
Lyon & Healy's collection of rare old violins embraces 500 specimens. Lovers of the violin may examine these instruments at their leisure. Prices from $30.00 to $2,000.00. Salesrooms: State and Monroe streets, Chicago, Ill.
d Flageolets, fifes, etc. 931
The Lyon & Healy factories produce over 100,000 musical instruments annually.
e Pipe and reed organs. 935
The Peloubet church organ made by Lyon & Healy is without a rival in its field, which is used in small and medium sized churches and halls, and private residences. It possesses the pipe tone so desired by organists, and a marvelous action. Prices from $300 to $3,000.
f Musical accessories. 936
Lyon & Healy (founded 1864) sell everything known in music.

561. **MacKenzie, J. A., Minneapolis,** Minn. Piano-harps and harpellos. Sec. I, S-1 928

562. **Mannello, Angelo, New York. Mandolins** and mandolas. Sec. I, T-3 928

563. **Mason & Hamlin Organ and Piano** Co., Boston.
a Pianos. Sec. I, P-1 930
b Organs. 935

564. **Mason & Risch, Worcester, Mass.** Reed organs. Sec. I, U-1 935

564a. **Mehlin Piano Co., Minneapolis, Minn.** Pianos. Sec. I, O-6 930

565. **Meneely, Clinton H., Bell Company,** Troy, N. Y. Chime of bells. 927
(Central clock tower.)

566. **Meyer, C., & Sons, Philadelphia.** Pianos. Sec. I, T-7 930

567. **Miller, Henry F., & Sons Piano Co.,** Boston. Pianos. Sec. I, V-6 930

568. **National Music Company, Chicago.** Sheet music, books, etc. Sec. I, W-7 926
Publishers of 10c. music. Send for cat'l.

569. **Needham Piano & Organ Co., New** York.
a Pianos. Sec. I, Q-6 930
b Reed organs. 935

570. **Nelson, H. C., Chicago. Banjos.** Sec. I, T-3 928

571. **Newman Bros., Chicago. Reed or-**gans. Sec. I, S-6 935
Factory, corner W. Chicago Ave. and Dix St. Capacity, 500 per month. We manufacture 23 different styles of reed organs containing many valuable patents and ou patent air-circulating reed cells, which hav the most pipe-like quality of any reed orga made. The best is the cheapest.

572. **Pepper, James W., Philadelphia** Band instruments. Sec. I, P-1 927-928-933-93

573. **Phonoharp Company, Boston. Pho**noharps and zithers. Sec. I, R-1 92

574. **Pick, Miss Libbie, Chicago. Musi** cabinet attachment. Gal. F, U-103 93

575. **Reed, A., & Sons, Chicago. Pianos** Sec. I, O-7 93
Construction pat'd in Eng., Ger., France Canada, U. S. Simple, durable. Tone, quality artistic, powerful, sympathetic. Great merit

576. **Rice-Macy Piano Company, Chicago** Pianos. Sec. I, V-7 93

577. **Schumacker Pianoforte Manufactur** ing Company, Philadelphia. Pianos. Sec. I, N-6 93

578. **Schubert Piano Company, New York** Pianos. Sec. I, U-7 93
Few of the pianos now on the market ca

show such perfection and popularity as the Schubert piano. As an example, the shipments in 1892 were 99 per cent. over 1888. This is due to large experience and buying for cash only, the benefit of which is given to the public at reasonable prices.

579. **Shaw Piano Company, Erie, Pa.** Pianos. Sec. I, X-7 930

580. **Shoninger, B., Company, New Haven, Conn.**
a Pianos. Sec. I, R-6 930
b Reed organs. 935

581. **Sohmer & Co., New York. Pianos.** Sec. I, Truss R-8 930
Sohmer & Co., manufacturers, 149 East 14th Street, New York City. The highest musical authorities and critics have long recognized the superiority of this instrument. The favorite of the cultured and refined in our American homes.

582. **Staples, Lucie, San Francisco. Pianoforte harmony instructor.** Gal. F, U-103 926

583. **Starr, James M., & Co., Richmond, Ind.** Pianos. Sec. I, X-8 930

584. **Stewart, S. S., Philadelphia. Banjos.** Sec. I, S-4 928

585. **Stieff, Charles M., Baltimore, Md.** Pianos. Sec. I, O-4 930

586. **Story & Clark Organ Co., Chicago.** Reed organs. Sec. I, F-6 935

587. **Strauch Bros., New York. Piano actions.** Sec. I, S-6 930

588. **Summy, Clayton F., Chicago. Sheet music, books and charts.** Sec. I, W-7 926
The Musical Review and publications of special value to teachers of music.

589. **Tonk Manufacturing Company, Chicago.** Piano stools, music cabinets, etc. Sec. I, V-8 936

590. **Toye, William H. R., Philadelphia.** Mandolins, guitars, banjos, etc. Sec. I, T-3 928

591. **Trenton Iron Co., Trenton, N. J.** Music wire. Sec. I, S-6 930

592. **Vanduzen & Tift Co., Cincinnati, O.** Chime of bells.
(S. E. Bell Tower, Machinery Hall) 927
Established 1837. Superior copper and tin chimes, peals and bells. Any desired weight. Facilities and skill unsurpassed. Workmanship, quality, etc., guaranteed.

593. **Vose & Sons Piano Co., Boston.** Pianos. Sec. I, V-8 930

594. **Waterloo Organ Co., Waterloo, N.Y.**
a Pianos. Sec. I, Y-8 930
b Reed organs. 935

595. **Wegman & Co., Auburn, N. Y.** Pianos. Sec. I, X-6 930
Special attention is called to our patent tuning-pin fastening.

596. **Wessell, Nickel & Gross, New York.** Piano actions and parts. Sec. I, T-5 930

597. **Western Cottage Organ Company,** Ottawa, Ill. Reed organs. Sec. I, T-6 935

598. **Wildman, L. P., Danbury, Conn.** Violins. Sec. I, R-5 929

599. **Zimmermann, C.F., Company, Dolgeville, N. Y.** Autoharps. Sec. I, R-1 928
The autoharp is shaped like a zither, having bars or padded mutes, which in connection with the Zimmermann system of figure music enables any one to play the most difficult airs and chords. Patented May 9, 1882. Alfred Dolge & Son, general wholesale agents, 110-112 E. 13th St., New York.

BUREAU OF CHARITIES AND CORRECTION

Exhibits Installed in Section F of Anthropological Building.

The classification of this bureau of the Department of Liberal Arts is divided into six divisions, as follows:

A—The care and treatment of the mentally defective.
B—The care and treatment of the sick and injured.
C—The care and treatment of dependent and delinquent children.
D—The care and treatment of adult poor and paupers.
E—The punishment and reformation of adult delinquents.
F—Descriptive and statistical exhibits of the government and supervision, the capacity and population of the charitable and penal institutions of the States, and miscellaneous

The Care and Treatment of the Mentally Defective.

DIVISION A.

The Care and Treatment of the Mentally Defective.

1. **Asylum for the Insane, Athens, O.** Architectural plans, photographs, literature and specimens of patients' work. F-Y-14
2. **Asylum for the Insane, Cleveland, O.** Architectural plans, photographs, statistics, specimens of patients' work, literature. F-Y-14
3. **Asylum for the Insane, Columbus, O.** Architectural plans, photographs, literature and specimens of patients' work. F-Y-14
4. **Asylum for the Insane, Toledo, O.** Architectural plans, photographs, literature and specimens of patients' work. F-Y-14
5. **Boston Lunatic Hospital, Boston.** Architectural plans, photographs, literature. F-Y-14
6. **Custodial Asylum for Feeble-Minded Women, Newark, N. J.** Model and photographs. F-Y-13
7. **Eastern Ohio Insane Hospital.** Topographical sketch and plans. F-Y-14
8. **Insane Asylum, Dayton, O.** Plans, photographs, literature and specimens of patients' work. F-Y-14
9. **Longview Insane Asylum, Carthage, O.** Plans, photographs, specimens of patients' work. F-Y-14
10. **Lynch M'f'g Co., Madison, Wis** Restraint appliances for the insane. F-Y-13
11. **McLean Hospital, Somerville, Mass**
    a Model, plans, photographs, statistics and literature of hospital.
    b Photographs, statistics and literatur of training school for nurses to th insane. F-Y-12
12. **Maine Insane Hospital, Augusta, Me** Architectural plans, photographs, statis tics, literature. F-Y-11
13. **Michigan, State of.** Charts, photo graphs and illustrations of the work o the institutions for the insane at Kalama zoo, Pontiac and Traverse City. F-Y-12
14. **Minnesota Hospital for the Insan** St. Peter, Minn. Photographs, uniform etc. F-Y-11
15. **Minnesota Second Hospital for In** sane, Rochester, Minn. Photograph model of tank for treatment of sewag uniforms, etc. F-Y-11
16. **Northern Indiana Hospital for Insan** Logansport, Ind. Photographs, statistic etc. F-Y-11
17. **Ohio Institution for Epileptic Insan** Topographical sketch and plans. F-Y-14
18. **Utica State Hospital, Utica, N. Y** Model of infirmary building, photograph statistics, samples of patients' work. F-Y-12

DIVISION B.

The Care and Treatment of the Sick and Injured.

9. **Allen, Mary E., New York.** Invalid chair. F-W-15
0. **Barnwell, Miss C. C., Baltimore.** Description of dispensary for plaster jackets. F-W-9
1. **Boston City Hospital, Boston.** Architectural plans, photographs, literature, statistics, models of appliances of hospital and training school for nurses. F-X-10
2. **Cancer Hospital for Women, New York.** Photographs and literature. F-W-12
3. **Dugot, Mrs. B. A., Mallet Creek, O.** Combined douche and bed pan. F-X-15
4. **Evening Dispensary for Women and Children, Baltimore.** Descriptive charts. F-W-9
5. **Fitch Accident Hospital, Buffalo, N. Y.** Photographs and statistics. F-W-9
6. **Hale, Seth P. H., Williamsville, Mass.** Apparatus for moving invalids. F-W-15
7. **Hawley, Mary A., Dixon, Ill.** Invalid's table. F-X-15
8. **Instructive District Nursing Association, Boston.** Statistics and literature.
9. **Jewish Hospital Association, Philadelphia.** Photographs and statistics of hospital and home for aged and infirm Israelites. W-9
0. **Jefferson Medical College, Philadelphia.** Plans and drawings of college hospital. F-X
1. **Johns Hopkins Hospital, Baltimore.** Model of buildings, plans, photographs, etc., of hospital and nurses' training school. F-X-9
2. **Maine Eye and Ear Infirmary, Portland, Me.** Plans, photographs and statistics. F-W-9
3. **Massachusetts Emergency & Hygiene Ass'n, Boston.** Maps, photographs, appliances, literature. F-X-9
4. **Medical and Surgical Sanitarium, Battle Creek, Mich.** Plans, photographs, appliances. F-X-13
5. **Meggy, Jesse Hodgman, Philadelphia.** Bed lift. F-X-15
6. **New England Hospital for Women and Children, Boston.** Photographs, plans, statistics, literature. F-X-12
7. **New York Hospital Saturday and Sunday Ass'n, New York.** Statistics and appliances. F-X-9
38. **Reeves, Carrie V., Baltimore.** Head rest for beds. F-X-15
39. **Sharon Sanitarium, Boston.** Plans and photographs. F-W-9
40. **St. Luke's Hospital, South Bethlehem, Pa.** Drawings, photographs, statistics, literature. F-X-12

DIVISION C.

The Care and Treatment of Dependent and Delinquent Children.

41. **Aid for Destitute Mothers and Infants, Boston.** Statistics and reports. F-W-9
42. **Baptist Orphanage, Angora, Philadelphia.** Photographs of buildings and inmates. F-W-10
43. **Boys' Home, Baltimore.** Statistics, reports. F-W-10
44. **Brooklyn Orphan Asylum Society, Brooklyn, N. Y.** Photographs and statistics. F-W-10
45. **Children's Aid Society, Boston.** Photographs, statistics, library. F-W-9
46. **Chicago News Record, Chicago.** Photographs, statistics and appliances of Fresh Air Fund. F-W-13
47. **Children's Aid Society, Chicago.** Statistics, photographs, reports, etc. F-W-9
48. **Children's Aid Society, Philadelphia.** Photographs, charts, clothing, etc. F-W-9
49. **Children's Home, Bangor, Me.** Statistics and reports. F-W-10
50. **Fitch Creche, Buffalo, N. Y.** Photographs, statistics, etc. F-W-13
51. **Goodwill Farm for Boys, East Fairfield, Me.** Photographs, statistics, reports. F-W-12
52. **Hampden County Children's Aid Ass'n, Springfield, Mass.** Photographs and reports. F-W-9
53. **Hebrew Orphan Asylum, New York.** Photographs, specimens of school work, uniforms, etc. F-W-10
54. **Hebrew Technical Institute, New York.** Photographs and specimens of school work. F-W-13
55. **Home for Friendless Children, Reading, Pa.** Photographs of building. F-W-10
56. **Illinois School of Agriculture and Manual Training School for Boys, Glenwood, Ill.** Photographs, statistics, specimens of school work. F-W-12
57. **Industrial School for Girls, Boston.** Reports. F-Y-9
58. **Little Mothers at Work and Little Mothers at Play, New York.** Photographs and statistics. F-W-13

59. **Louis Down-town Sabbath and Daily** School, New York. Photographs, statistics, specimens of school work. F-W-12

60. **Lyman School for Boys, Westboro,** Mass. Photographs and specimens of school work. F-W-12

61. **Maine Industrial School for Girls,** Hallowell, Me. Photographs, statistics, reports. F-W-12

62. **Massachusetts Infant Asylum, Boston.** Appliances, statistics, photographs. F-W-10

63. **Massachusetts Society for the Prevention** of Cruelty to Children, Boston. Reports and record blanks. F-Y-9

64. **Massachusetts State Board of Lunacy** and Charity, Boston. Photographs, appliances and statistics of Department of Outdoor Poor. F-W-9

65. **Massachusetts State Primary School,** Palmer, Mass. Photographs of buildings, statistics, etc. F-W-12

66. **Mayo School, Darlington, S. C.** Specimens of school work. F-W-11

67. **New York House of Refuge, Randall's** Island, N. Y. Drawings, maps, photographs, specimens of school work. F-V-13

68. **New York State Industrial School,** Rochester, N. Y. Photographs, charts, specimens of school work. F-W-10

69. **Ohio Girls' Industrial Home, Delaware,** Ohio. Plans and photographs of buildings, statistics, specimens of school work. F-W-12

70. **Pennsylvania Reform School, Morganza,** Pa. Photographs, statistics, specimens of school work, etc. F-W-12

71. **Presbyterian Orphanage, Philadelphia.** Photographs, statistics, specimens of school work. F-W-10

72. **South End Industrial School, Roxbury,** Boston. Photographs, descriptive charts, specimens of school work. F-W-11

73. **State Industrial School for Girls, Lancaster,** Mass. Photographs, statistics, etc. F-W-12

74. **Trustees of the State Primary and** Reform Schools of Massachusetts, Boston. Bound reports. F-Y-9

75. **Wernle Orphan Home, Richmond, Ind.** Photographs and statistics. F-W-10

76. **Young Girls' Home, St. Paul, Minn.** Photographs, statistics, etc. F-W-12

DIVISION D.

The Care and Treatment of Adult Poo and Paupers.

77. **Associated Charities, Boston.** Lite ature and record blanks. F-T-10

78. **Associated Charities, Cincinnati.** Li erature and record blanks. F-T-10

79. **Associated Charities, Fall Rive** Mass. Literature. F-T-10

80. **Associated Charities, Newburgh, N** Y. Literature. F-T-10

81. **Associated Charities, Newtonville** Mass. Literature. F-T-10

82. **Associated Charities, Wilmingto** Del. Literature and record blanks. F-T-10

83. **Bethel Associated Charities, Cleve** land, O. Literature and record blanks. F-T-10

84. **Boston Provident Association, Bos** ton. Literature. F-T-10

85. **Bureau of Labor and Charities, Syra** cuse, N. Y. Literature. F-T-10

86. **Charity Organization Society, Balt** more, Md. Literature and record blank F-T-10

87. **Charity Organization Society, Buffal** N. Y. Literature and record blanks. F-T-10

88. **Charity Organization Society, Bu** lington, Iowa. Literature and recor blanks. F-T-10

89. **Charity Organization Society, India** apolis, Ind. Literature and recor blanks. F-T-10

90. **Charity Organization Society, New** port, R. I. Literature and record blank F-T-10

91. **Charity Organization Society, Ne** York City. Literature, record blanks an plans of United Charities building. F-T-10

92. **Chicago Relief and Aid Society, Ch** cago. Literature, record blanks, statis tics. F-T-10

93. **City Almshouse, Baltimore.** Charts literature and photographs. F-T-10

94. **City Mission, Lawrence, Mass.** Lit erature. F-T-10

95. **German Evangelical Home, Brooklyn** N. Y. Literature, plans and statistics. F-T-10

96. **German Old People's Home, Chicago** Report and photographs. F-T-10

97. **German Society of Chicago, Chicago** Literature and record blanks. F-T-10

98. **Home for the Friendless, Buffalo, N** Y. Statistics, photographs. F-T-10

99. **Industrial Aid Society, Boston.** Literature and record blanks. F-T-10
100. **Library Bureau, Boston.** Card-case for records of charitable societies. F-T-10
101. **Massachusetts Board of Lunacy & Charity,** Department of indoor Poor, Boston. Statistics and photographs. F-T-10
102. **Massachusetts, State of.** Model of Hospital Pavilion of the State Almshouse at Tewkesbury. F-T-10
103. **Montefiore Home for Chronic Invalids,** New York. Literature, photographs and statistics. F-T-10
104. **New York Herald, New York City.** Photographs, history and statistics of the Free Ice Charity. F-T-10
105. **New York State Soldiers' and Sailors' Home.** Topographical drawing and photographs of grounds and buildings. F-T-8
106. **North End Mission, Boston.** Literature, photographs, statistics. F-T-10
107. **Ohio Working Home for the Blind.** Photographs, charts, manufactured articles, etc. F-T-8
108. **Old Women's Home, Reading, Pa.** Photographs. F-T-10
109. **Overseers of the Poor, Bellingham,** Mass. Literature. F-T-10
110. **Overseers of the Poor, Boston.** Literature, record blanks, statistics. F-T-10
111. **Overseers of the Poor, Brookline,** Mass. Reports, photographs of almshouse, statistics. F-T-10
112. **Overseers of the Poor, Somerville,** Mass. Literature and record blanks. F-T-10
113. **Overseers of the Poor, Springfield,** Mass. Literature, statistics, photographs of almshouse, record blanks. F-T-10
114. **Pennsylvania Industrial Home for Blind Women,** Philadelphia. Photographs and specimens of inmates' work. F-T-8
115. **Penny Provident, of the Charity Organization Society,** Buffalo, N. Y. Statistics, appliances and record blanks. F-T-10
116. **Relief Association, Plainfield, N. J.** Literature.
117. **Society of St. Vincent de Paul,** Boston. Literature, record blanks, photographs and statistics. F-T-10
118. **Temporary Home for Working Women,** Boston. Reports and statistics. F-T-10
119. **Union Relief Association,** Springfield, Mass. Literature. F-T-10
120. **United Hebrew Charities, New York.** Literature and record blanks. F-T-10
121. **Western House of Employment,** Philadelphia. Photographs and statistics. F-T-10

DIVISION E.

The Punishment and Reformation of Adult Delinquents.

122. **Champion Iron Co., Kenton, Ohio.** Prison work, iron and steel cells, doors, locking device, window guards, etc. F-T-10
123. **Eastern State Penitentiary,** Philadelphia. Model of building, photographs, statistics. F-W-13
124. **Home for Fallen Women, Baltimore,** Md. Reports. F-Y-9
125. **Massachusetts Reformatory,** Concord Junction, Mass. Drawings, statistics, products, literature. F-T-13
126. **Minnesota State Prison, Stillwater,** Minn. Photographs, plans, products. F-U-13
127. **New York, State of.** Model of electrical death chair. F-T-13
128. **New York State Reformatory,** Elmira, N. Y. Model of buildings, trades school exhibit. F-T-13
129. **Ohio State Reformatory, Mansfield,** Ohio. Drawings and plans. F-S-13
130. **Pennsylvania Industrial Reformatory,** Huntingdon, Pa. Model of buildings. F-R-13
131. **Reformatory Prison for Women,** So. Farmingham, Mass. Plans, photographs, statistics, products, literature, etc. F-T-13
132. **Van Dorn Iron Works Co.,** Cleveland, O. Iron and steel jail complete, photographs. F-T-8
133. **Western Penitentiary, Allegheny,** Pa. Model of buildings. F-U-13

DIVISION F.

Descriptive and statistical exhibits of the government and supervision; the capacity and population of the charitable and penal institutions of the states, and miscellaneous.

134. **California State.** Statistics. F-Y-10
135. **Colorado State.** Map and charts. F-Y-10
136. **Delaware State.** Statistics. F-Y-10
137. **Home Savings Society, Boston.** Statistics and record blanks. F-T-10
138. **Illinois State.** Statistics, reports. F-Y-10

Descriptive and Statistical Exhibits and Population of the Charitable Institutions.

139. **Indian Territory. Statistics.** F-Y-10
140. **Indiana Board of State Charities.** Map, statistics and reports. F-Y-10
141. **Iowa State. Map and statistics.** F-Y-10
142. **Maine State. Statistics.** F-Y-10
143. **Maryland State. Map and statistics.** F-Y-10
144. **Massachusetts Board of Charities** and Corrections. Scrap books. F. Y. 10
145. **Massachusetts Board of Lunacy and** Charity. Reports, photographs, forms. F-Y-10
146. **Massachusetts State. Maps, statis-**tics and literature. F-Y-10
147. **Michigan State Board of Correction** and Charities. Map and statistics. F-Y-10
148. **Minnesota State Board of Correc-**tions and Charities. Map, statistics, reports. F-Y-10
149. **National Conference of Charities and** Correction. Proceedings. F-Y-9
150. **New York State Board of Charities.** Maps, statistics, reports. F-Y-9
151. **New York State Charities Aid Asso-**ciation. Annual reports. F-Y-9
152. **Ohio State. Map and statistics.** F-Y-10
153. **Pennsylvania State. Map and sta-**tistics. F-Y-10
154. **Pioneer Co-operative Bank, Boston.** Statistics and literature. F-T-10
155. **Provident Savings Bank, Baltimore,** Md. Statistics and literature. F-T-10
156. **Wines, F. H., Springfield, Ill.** Graphic charts of crime and pauperism in the states from 11th U. S. census. F-W-8
157. **Workingmen's Loan Ass'n, Boston.** Statistics and literature. F-T-10

CATHOLIC EDUCATIONAL EXHIBIT. UNITED STATES.

SECTION I.

GROUP 147.

The archbishops of the United States, with Cardinal Gibbons of Baltimore presiding, at their meeting in Boston, July, 1890, issued an invitation to all in charge of Catholic educational institutions to unite in an educational exhibit at the Columbian Exposition. The preliminary arrangements were made by delegates at several meetings in Chicago and St. Louis. At the request of the archbishops Rt. Rev. J. C. Spaulding, D. D., Bishop of Peoria, consented to become president, and Brother Maurelian, F. S. C. (president of Christian Brothers College of Memphis, Tenn.), consented to act as secretary and manager of the Catholic educational exhibit.

Exhibits will be presented by normal schools, universities, colleges, art schools, schools of science and technology, high schools, academies, commercial schools, industrial and manual training schools, primary or kindergarten schools, orphanages, reformatories, schools for Indians, negroes, blind, deaf and dumb.

The exhibits include paintings, drawings and photographs of school buildings, chapels, churches, class-rooms, playgrounds, library, art, lecture and science halls, groups of teachers and pupils, music classes, sewing and embroidery classes, work-shops in industrial and training schools, etc.

The normal department presents normal manuals, sets of text-books, apparatus and appliances for instructing in all branches of literature, science and art, as also the work of teachers and normal students.

Work of pupils in plain and ornamental typewriting and shorthand, with illustrations whenever possible, will be exhibited in Christian doctrine, history of the United States, ancient and modern history, sacred history, church history, mythology, ancient and modern languages, compositions, essays, theses, debates, mathematics, astronomy, chemistry, physics, theory of music, logic and metaphysics, philosophy, hygiene, sanitation, meteorology, philology, political economy, civil government, mineralogy, geology, zoology, botany, horticulture, agriculture, forestry, conchology, ornithology, geography with maps and hypsometrical casts of cities and countries, commercial payers, bookkeeping, shorthand, specimen of painting, free-hand crayon, linear and mechanical drawings, drawings from nature and from the flat, perspective drawings, etc.; museums for object lessons, specimens from industrial schools of printing in colors and plain, electrotyping, tailoring, wood-carving, carpentry, shoe-making, iron-work, etc.; plain and fancy needle work, crochet, drawn-work, tapestry, lace-making, embroidery, painting on porcelain, wax-work, etc.

The colleges, academies and schools represented in the various classes of exhibits are in charge of the following orders, congregations and persons:

Benedictine Fathers, Capuchin Fathers, Fathers of the Holy Cross, Fathers of the Holy Ghost, Jesuit Fathers, Lazarist Fathers and Secular Clergy; Brothers of Mary, Brothers of the Sacred Heart, Brothers of the Holy Cross, Brothers of the Christian schools (Christian Brothers), Franciscan Brothers, Resurrectionist Brothers and Laymen.

Benedictine Sisters, Sisters of St. Agnes, Sisters of Charity (Emmitsburg, C. B. V. M.), and (Mt. St. Vincent) Sisters of Christian Charity, Dominican Sisters, Franciscan Sisters, Franciscan Sisters of Perpetual Adoration, Sisters of St. Francis (various congregations), Gray Nuns, Sisters of the Holy Name, Sisters of the Holy Cross, Sisters of the Holy Child, Sisters of Jesus and Mary, Sisters of the Immaculate Conception, Sisters of the Immaculate Heart of Mary, Sisters of Loretto, Sisters of Mercy, Sisters of Mt. Carmel, Sisters of Nazareth, Congregation de Notre Dame, School Sisters of Notre Dame, Polish Felecian Sisters, Presentation Nuns, Sisters of the Poor Handmaids of Jesus Christ, Sisters of Perpetual Adoration, Sisters of the Precious Blood, Sisters of Providence, Congregation of Divine Providence, Sisters of the Good Shepherd, Sisters of St. Joseph, Sisters of St. Nazianz, Sisters of Ursula, Madams of the Sacred Heart, Sisters of the Sacred Heart of Mary, Ladies of the Sacred Heart, Ursuline Sisters, Visitation Nuns and Laywomen.

DIOCESAN EXHIBITS.

Diocesan Exhibits.

1. **Brooklyn Diocese.** Colleges of Brooklyn.

Academies of Brooklyn (4), Bayside (Whiteside P. O.), Far Rockaway and Sag Harbor.

Orphanage of Brooklyn.

Parish schools of Brooklyn (44), College Point, Flatbush and Flushing.

2. **Buffalo, N. Y., Diocese.** Academies and colleges of Buffalo (8), Albion, Allegany (2), Batavia, Corning, Dunkirk, Elmira, Hornellsville, Lockport, Owego, Niagara Falls, Rexville and Wellsville.

Orphanages of Buffalo (2), Corning, Dunkirk and West Seneca.

Parish schools of Buffalo (22), Albion, Alden, Allegheny, Batavia, Cheektowaga, Corning, Dunkirk (2), East Eden, Elmira, Gardenville, Hamburg, Hornellsville, Jamestown, Lancaster, Lockport (3), Niagara Falls, Olean, Pendleton, Salamanca, Springville, Suspension Bridge, Tonawanda and West Seneca.

3. **Christian Brothers.** Normal Institute of Amawalk, N. Y.; Ammendale, Md.; Glencoe, Mo., and Martinez, Cal.

Colleges of Ellicott City, Md.; Memphis, Tenn.; New York City (2); Oakland, Cal.; Philadelphia, Pa.; Portland, Ore.; San Francisco, Cal.; St. Louis, Mo.; St. Joseph, Mo.; and Washington, D. C.

Academies and high schools of Albany, N. Y.; Baltimore, Md.; Chicago, Ill.; New York City; Oakland, Cal.; Providence, R. I.; Sacramento, Cal.; St. Paul, Minn.; Troy, N. Y., and Westchester, N. Y.

Parish schools of Albany, N. Y. (3); Baltimore, Md. (3); Brooklyn, N. Y.; Buffalo, N. Y. (3); Burlington, Vt.; Chicopee, Mass.; Detroit, Mich.; Dover, N. H.; Jersey City, N. J.; Kansas City, Mo.; Manchester, N. H.; Melrose, N. Y.; Newark, N. J.; Newburg, N. Y.; New York City (13); New Orleans, La.; Oakland, Cal. (3); Paterson, N. J.; Providence, R. I. (2); Philadelphia, Pa. (7); San Francisco (2); St. Joseph, Mo.; St. Louis, Mo. (5); Temescal, Cal.; Toledo, Ohio; Troy, N. Y.; Utica, N. Y.; Waltham, Mass.; West Oakland, Cal., and Yonkers, N. Y.

Industrial and training schools of Eddington, Pa.; Feehanville, Ill.; Utica, N. Y., and Westchester, N. Y.

Orphanages of Albany and Troy, N. Y.

4. **Cleveland, Ohio, Diocese.** Colleg and academies of Cleveland (2), Tiffin (Toledo, Nottingham (2), and Villa Mari Pa.

Parish schools of Cleveland (25), Bellvu Defiance, Monroeville and other cities.

5. **Covington, Ky., Diocese.** Academi of Covington (4), Lexington, Maysvill Newport (2) and White Sulphur.

Parish schools of Covington (7), Newpo (3), Alexandria, Ashland, Augusta, Bellevu Carrollton, Cold Spring, Dayton, Frankfo and Paris.

6. **Denver, Col., Diocese.** Academi and Parish schools of Denver (6), Canc City, Leadville, Trinidad, etc.

7. **Detroit, Mich., Diocese.** Commerci school of Detroit.

Academies of Detroit and Monroe.

Parish schools of Detroit (2), Mt. Clemei and Shamokin, Pa. (Dio. H'bg).

8. **Dubuque, Iowa, Diocese.** Academi of Dubuque (2), Carroll, Cedar Rapids ar Lyons.

Paris schools of Dubuque, Ackley, Bred Browns, Carroll (2), Cascade (2), Clinto Decorah, Dewitt, Dyersville, Farley, Fe tina, Fort Dodge, Haverhill, Key Wes Lansing, Lawler, LeMars (2), Luxembur Milley, Mt. Carmel, New Vienna, Peter burg, Quiglay, Remsen, St. Donatus ar Stacyville.

9. **Fort Wayne, Ind., Diocese.** Unive sity of Notre Dame.

Academies of Fort Wayne, Crawford ville, LaFayette, LaPorte, Notre Dam Rensselaer, South Bend (2), Valparaiso ar Winamac.

Orphanages of Fort Wayne and LaFa ette.

Parish schools of Fort Wayne (6), Ande son, Avilla, Columbia City, Crawfordsvill Crown Point, Delphi, Decatur, Earl Parl Ege, Elkhart, Elwood, Fowler, Garrett Cit Goshen, Hammond, Huntington, Kentlan Klaasville, Kokomo, LaFayette (4), Lagr Logansport (3), Michigan City (2), Misha waka, Monroeville, Muncie, New Have New Corydon, Otis, Peru, Plymouth, S John, South Bend (3), Sheldon, Tipton, Unio City, Valparaiso and Winamac.

Diocesan Exhibits.

10. **Green Bay, Wis., Diocese.** Parish schools of Green Bay (4), Ahnapee, Appleton (2), Antigo, Bay Settlement, Berlin, Brillion, Buchanan (Darby P. O.), Cate, Chilton, Clark's Mills, Clintonville, Coopertown, Delwick, DePere (4), Duck Creek, Francis Creek, Freedom, Grand Rapids, Holland, Hull (Steven's Point P. O.), Kaukauna, South Kaukauna, Kellnersville, Keshena, Kawaunee, Little Chute, Luxembourg, Maple Grove, Marinette (2), Menasha (3), New London, New Franken, Oconto (2), Oshkosh, Portage, Reedsville, Shawano, Steven's Point (3), Stockbridge, St. Johns, Sturgeon Bay, Two Rivers, Wausau and Wrightstown.

11. **LaCrosse, Wis., Diocese.** Parish schools of LaCrosse (7), Ashland, Bayfield, Chippewa Falls (2), Eau Claire, Fountain City, Hudson, Marshfield, Neillsville, New Richmond, Prairie du Chein, Sauk City, Sparta, Standfold, Superior City and West Superior.

Orphanage of LaCrosse.

12. **Manchester, N. H., Diocese.** Academies of Manchester (2), and Nashua.

13. **Milwaukee, Wis., Diocese.** Academies of Milwaukee, Racine and Sinsinawa Mound.

Parish schools of Milwaukee (9), Ashton P. O., Caledonia, Racine, Roxbury, St. Francis and St. George.

14. **Natchez, Miss., Diocese.** College of Bay St. Louis.

Academies of Bay St. Louis, Chatawa, Greenville, Meridian, Scranton and Vicksburg (2).

Parish schools of Natchez (3), Biloxi, Jackson, Pass Christian, Tucker Vicksburg (2).

15. **New Orleans Diocese.** Academies of New Orleans (8) and Donaldsonville.

Parish schools of New Orleans (11).

16. **New York City Diocese.** Colleges of New York City (2), Amawalk.

Academies of High Schools of New York City (2).

Parish schools of New York City (40), Melrose, Newburg, Yonkers and other cities.

17. **Philadelphia Diocese.** High Schools of Philadelphia and Chestnut Hill.

Parish schools of Philadelphia (55), Ashland, Bally, Bristol, Bryn Mawr, Chester (2), Conshohocken (2), Doylestown, Kellyville, Lehighton, Mauch Chunk, Norristown, Phœnixville, Port Carbon, Pottsville (2), Reading, St. Clair, Shenandoah and West Chester.

18. **Pittsburg, Pa., Diocese.** Colleges of Pittsburg, Loretto and Summitt.

Academies of Pittsburg (2), Allegheny, Beatty P. O., Ebensburg, Greensburg and Loretto.

Parish schools of Pittsburg (22), Allegheny, Altoona, Blairsdale, Braddock, Butler (2), Cambria City, Copeland, Chartier, Connellsville, Dunbar, Gallatzin, Homestead, Irwin, Johnstown (3), Latrobe, McKeesport, Millvale, Sharpsburg (2), Scottdale, Tunnell Hill, Turtle Creek, Tyrone and Wilkinsburg.

19. **San Francisco Diocese.** Colleges of San Francisco (3), Oakland, San Jose (2), San Rafael and Santa Clara.

Academies of San Francisco (3), Alameda, Oakland (2), Redwood City, Rio Vista, Santa Clara, Santa Rosa and Ukiah.

Parish schools of San Francisco (14), Berkeley, N. Temescal and Oakland (8), San Leandro, San Rafael, Stockton (2) and Vallejo.

Orphanages of San Francisco (3).

Kindergarten of San Francisco.

Technical school of San Francisco.

20. **Sioux Falls, S. D., Diocese.** Academies of Sioux Falls, Sturgis and Yankton.

Parish schools of Jefferson, Lead City, Millbank, Mitchell, Watertown and Yankton.

Indian schools of Fort Yates, Pine Ridge Agency, Rosebud and Stephan.

21. **Benedictine Fathers.** College of Belmont, N. C. (2).

22. **Benedictine Sisters.** Academy at Nauvoo, Ill.

Parish schools of Manchester, N. H.; Spokane, Wash., and Sturgis, S. D.

23. **Charity, Sisters of.** Academies and Parish schools of Emmittsburg, Md. (2); LaSalle, Ill.; Memphis, Tenn.; Pine Bluff, Ark.; Richmond, Va.; Tulalip Reservation, Wash.; Washington, D. C.; Wichita, Kas.; and Baltimore, Md.

24. **Divine Providence, Sisters of.** Academies of Castroville, Tex.; Palastine, Tex.; Temple, Tex.; Clarksville, Tex.; Jefferson, Tex., and Natchitoches, La.

Parish schools of Castroville, Tex.; San Antonio, Tex.; Galveston, Tex.; Columbus, Tex.; Ellinger, Tex.; Schulenberg, Tex.; High Hill, Tex.; Dubina, Tex.; Weimar, Tex.; Sedan, Tex.; New Braunfels, Tex.; Fredericksburg, Tex.; and Alexandria, La.

25. **Dominican Sisters.** Academies of Memphis, Tenn.; New York City; Bloomington, Ill.; Faribault, Minn.; Washington, D. C.; Racine, Wis., and Sinsinawa Mound, Wis.

Parish schools of Minneapolis, Minn.; Clarksville, Tenn.; New York City; Muskegon, Mich.; Seattle, Wash.; Plattsmouth, Neb., and Kansas City, Mo.

26. **Loretto, Sisters of.** Academies of Denver, Col. (2); Pueblo, Col.; Colorado Springs, Col.; Montgomery, Ala.; Osage Mission, Kas.; Cairo, Ill.; St. Johns P. O., Ky.; Louisville, Ky.; Marshall, Mo.; Springfield, Mo.; St. Louis, Mo.; Cape Girardeau, Mo.; Florissant, Mo.; Sante Fé, N. M.; El Paso, Tex.; Las Cruces, N. M., and Mora, N. M.

Indian schools of Bernalillo, N. M.

Parish schools of Elizabethtown, Ky.; Lebanon, Ky.; Kansas City, Mo.; St. Louis, Mo.; Las Vegas, N. M., and Socorro, N. M.

27. **Mary, Brothers of.** Colleges of Dayton, Ohio; Honolulu, H. I., and San Antonio, Tex.

Parish schools of Baltimore, Md. (3); Chicago, Ill. (2); Cincinnati, Ohio (2); Cleveland, Ohio; Columbus, Ohio; Dayton, Ohio (3); Hilo, H. I.; New Orleans, La.; New York City (2); San Antonio, Tex.; Wailuka, H. I., and Winnepeg, Man.

28. **Precious Blood, Sisters of.** Academy of St. Louis, Mo.

Parish schools of St. Louis, Mo. (2); Falls City, Neb.; Florissant, Mo.; Josephville, Mo.; Old Monroe, Mo.; Omaha, Neb. (2); Riviere Aux Vases, Mo.; St. Peter's, Mo.; Tipton, Mo., and Zell, Mo.

29. **Providence, Sisters of.** Academies of St. Mary's, Vigo City, Ind.; Chelsea, Mass.; Chicago; E. Saginaw, Mich.; Fort Wayne, Ind.; Galesburg, Ill.; Greencastle, Ind.; Indianapolis, Ind.; Kansas City, Mo.; LaFayette, Ind.; Port Huron, Mich.; Saginaw City, Mich.; Terre Haute, Ind.; Vincennes, Ind.; and Washington, Ind.

Parish schools of Chicago (Central Park), Ill.; Columbus, Ind.; Connersville, Ind.; Delphis, Ind.; Evansville, Ind. (2); Fort Wayne, Ind.; Frenchtown, Ind.; Galesburg, Ill.; Hammond, Ind.; Indianapolis, Ind. (4); Jaspar, Ind.; Jeffersonville, Ind.; LaFayette, Ind.; Lockport, Ill.; Loogootee, Ind.; Madison, Ind.; New Albany, Ind.; Omaha, Neb.; Peru, Ind.; Richmond, Ind.; Saginaw, City, Mich.; Savanna, Ill.; St. Mary's, Vigo City, Ind.; Seymour, Ind.; Terre Haute, Ind. (2); Valparaiso, Ind.; Vincennes, Ind.; Washington, Ind. (2), and Ypsilanti, Mich.

30. **School Sisters of Notre Dame (East).** Academies of Govanstown and Baltimore, Md., and Fort Lee, N. J.

Parish schools of Baltimore, Md. (7); Boston, Mass.; Canton, Mass.; Catonsville, Md.; Malden, Mass.; Philadelphia, Pa. (3); Towson, Md., and Washington, D. C. (2).

31. **School Sisters of Notre Dame (Mil).** Academies of Milwaukee, Wis.; Quincy, Ill, and Harbor Springs, Mich.

Orphanage of Quincy, Ill.

Parish schools of Milwaukee (9); Belleville, Ill.; Belvidere, Minn.; Champaign, Ill.; Escanaba, Mich.; Fort Madison, Ia.; Fort Wayne, Ind.; Grand Rapids, Mich. (2); Highland, Ill.; Logansport, Ind.; Louisville, Ky.; Peoria, Ill. (2); Quincy, Ill. (3); St. Charles, Mo.; St. Louis, Mo.; St. Paul, Minn.; Shakopee, Minn.; Sheboygan, Wis.; Washington, Mo.; Winona Minn., and Wabasha, Minn.

32. **St. Francis, Sisters of (Old'bg).** Academy of Oldenburg, Ind.

Parish schools of Aurora, Ind.; Cincinnati, Ohio (2); Dover, Ind.; Evansville, Ind.; Indianapolis, Ind. (2); Lawrenceburg, Ind.; Morris, Ind.; New Albany, Ind.; New Alsace, Ind.; Oldenburg, Ind.; Rushville, Ind.; St. Louis, Mo.; St. Peter's, Ind.; St. Wendel, Ind.; Sedamsville, Ohio; Shelbyville, Ind., and Yorkville, Ind.

33. **St. Joseph, Sisters.** Academies of St. Genevieve, Mo.; St. Augustine, Fla.; Philadelphia, Pa.; Peoria, Ill., and Syracuse, N. Y.

Parish schools of Ishpeming, Mich.; St. Paul, Minn.; Albany, N. Y.; Amsterdam, N. Y.; Cohoes, N. Y.; Glens Falls, N. Y.; Hoosick Falls, N. Y.; Oswego, N. Y.; Schenectady, N. Y.; Syracuse, N. Y.; Troy, N. Y., and West Troy, N. Y.

34. **The Sacred Heart, Brothers of.** Colleges of Bay St. Louis, Miss.; Vicksburg, Miss., and Thibodaux, La.

Academies of Baton Rouge, La.; Mobile, Ala.; Nashua, N. H.; New Orleans, La.

Parish schools of Augusta, Ga.; Donaldsonville, La.; Indianapolis, Ind. (2); Manchester, N. H.; Mobile, Ala., and Natchez, Miss.

35. **Ursuline Sisters.** Academies of Alton, Ill.; Arcadia, Mo.; Collinsville, Ill.; Crescent Hill, Ky.; Decatur, Ill.; Grand Forks, S. D.; St. Louis, Mo., and Frontenac, Minn.

Parish schools of Alton, Ill. (2).

36. **Visitation Sisters.** Academy of Georgetown, W. Washington, D. C.

AUSTRIA.

Medicine, Education, Literature, Instruments of Precision, Photography.

GROUP 148.

1. Bauer, Dr. Moriz, Vienna. Vaccination supplies. 837
2. Broz, Albert, Graz. Surgical instruments. 837
3. Odelga, I., Vienna. Surgical instruments and apparatus. 837
4. Wiener, A., Vienna. "Pocket pharmacy." 834

GROUP 149.

5. Cuhel, Dr. Franz, Prague. Reckoning apparatus for children. 842
6. Genossenschafts, Fachschule fuer Drechsler at Vienna. Models and drawings. 847
7. Gerlach & Schenk, Vienna Models for art instruction. 486
8. Hanusch, Thomas, Hostitz, Bohemia. Reckoning apparatus for children. 842
9. Lenoir & Forster, Vienna. Apparatus for teaching chemistry and physics. 845
10. Neubert, V., Prague. Models and appliances for teaching. 842
11. Roth, Adol, Taus, Bohemia. Appliances for teaching. 842

GROUP 150.

12. Dorn, Dr., Volkswirtschaftlicher Verlag, Vienna. Works on national economy. 854
13. Brandeis, Jacob B., Prague. Hebrew books. 854
14. Grieszelich, Ernst Ludwig, Vienna. Graphical illustration of foreign travel in the capitals of Europe. 864
15. Kaes, Simon, Vienna. "Fachzeitung fur Leder Industrie." 856
16. Lechner, R. (W. Mueller), Vienna. Topographical maps. 864
17. Ministerium des Innern K. K., Vienna. Statistical and graphical illustrations of the workingmens' insurance system and of their unions in Austria. 863
18. Silas, Ferdinand, Vienna. Geographical maps. 864
19. Steinbrener, J., Winterberg, Bohemia. Prayer books. 854

GROUP 151.

20. Czichna C. A., Innsbruck. Photographs with Alpine photographs. 871
21. Denk, August, Vienna. Cellulographs. 871
22. Forster, I., Salzburg. Photographical backgrounds. 871
23. Hofmeier, Julius, Vienna. Photochemical plates. 871
24. Klicnik, Arnold, Bruenn, Morav ia. Mechanical instruments. 865
25. Landes, Verband der vereinigten Lur und Freemdenver, kehrs-Vereine in Tyrol, Innsbruck. Collection of Alpine photographs. 871
26. Lechner R. (W. Mueller), Vienna. Photographic apparatus. 871
27. Lippe, Theo., G. von der, Vienna. Photographs. 871
28. Nemetz, Josef, Vienna. Instruments of precision.
29. Paulussen, Richard, Vienna. Photogravures. 871
30. Reichert, C., Vienna. Optical instruments. 874
31. Ringhoffer, F., Smichew near Prague. Photos of machines of different kinds. 871
32. Verein zur Hebung des Fremdenverkehres, Prague. Photographical views. 871
33. Wachtel, Bernhard, Vienna. Photographic cartoons and passepartouts. 871

GROUP 152.

34. Weber, von Ebenhof, Alfred, Bruenn, Moravia. Work on mountain hydraulics. 882

GROUP 153.

35. Wanka, Josef, Prague. Statistical illustrations of the postal service. 893
36. Wlcek, Wenzel, Graz. Letter boxes. 893

GROUP 157.

37. Vogl, Adolf, Innsbruck. Altar. (With Alpine photographs). 919

GROUP 158.

38. Augerer, Franz & Dotzauer Wenzel, Vienna.
    a Wind instruments. 931
    b Stringed instruments. 928
39. Bruener, Franz, Schoenbach. Zithers. 928
40. Brunbauer, Philipp, & Sohn, Vienna. Harmonicas. Included in the collective exhibit of the Genossenschaft at Vienna. 935
41. Cerveny, V. F., & Soehne, Koeniggraetz, Bohemia. Wind instruments. 931
42. Dehmal, Anton, Vienna. Wind instruments. 931
43. Fiehn, Heinrich, Vienna. Ocarinas. 932
44. Forster, Johann, Vienna. Harmonicas. 935
45. From, Karl, Vienna. Stringed instruments. 928
46. Fuchs, Daniel, Vienna. Wind instruments. 931
47. Gessner, J. B., Graslitz. Wind instruments. Included in the collective exhibit of the Graslitz manufacturers. 931
48. Graslitz manufacturers of musical instruments. Collective exhibit of musical instruments.
49. Haudeck, Karl, Vienna. Stringed instruments. 928
50. Huttl, A. K., Graslitz. Wind instruments. 931
51. Kiendl, A., Vienna. Zithers. 928
52. Kiendl, Karl, Vienna. Stringed instruments. 928
53. Kirchner Gebrueder, Vienna. Musical instruments.
54. Kirchner, Karl, Vienna. Stringed instruments. 928
55. Klier, Andreas, Schoenbach. Musical instruments.
56. Langhammer, J. E., Graslitz. Wind instruments. 931
57. Loos, Karl, Schoenbach. Stringed instruments. 928
58. Lutz, Josef, Schoenbach. Musical instruments.
59. Mayer, Carl, Vienna. Mouthpieces for musical instruments. 936
60. Meindl, J. B., Gratliz. Wind instruments. 921
61. Nowy, Michael, Vienna. Stringed instruments. 928
62. Osmanek, A., Schoenbach. Musical struments.
63. Petz, Josef, Graz. Automatic organ. 935
64. Pick, Josef Leopold, Vienna. Harmonicas. 935
65. Plocek, A., Chroustowitz, Bohemia. Muffler for musical instruments. 936
66. Proksch, A., Reichenberg, Bohemia. Pianos. 930
67. Roesel, Johann, Vienna. Wind instruments. 931
68. Sandners, Sohn, Schoenbach, near Eger, Bohemia. Musical instruments.
69. Schoenbach manufacturers of musical instruments. Collective exhibit of musical instruments.
70. Schuster, Jos. Jgn., Kirchberg, near Graslitz. Bows for violin, violoncello and bass viol. 936
71. Stecher, Karl, Vienna. Wind instruments. 931
72. Stingl, Gebrueder, Vienna. Pianos. 930
73. Strowasser, A. R., Graslitz. Machines for making stringed instruments. 936
74. Stowasser's, W. Soehne, Graslitz. Wind instruments. Included in the collective exhibit of Graslitz. 931
75. Thie, Wilhelm, Vienna. Harmonicas. 935
76. Trimmel, Joh. N., Vienna. Harmonicas. 935
77. Urbanek, Fr. A., Prague. Music books. 926
78. Vienna Genossenschaft der Musik Instrumenten Erzanger. Collective exhibit

BELGIUM.

Hygiene, Medicine, Education, Literature, Photography, Knowledge, Music.

GROUP 147.

1. Administration du Bureau de Bienfaisance, Antwerp. Models and plans of homes for working classes. 827
2. Demany, Emile, Liege. Plans and designs of school-houses. 827
3. Franken-Willemaers, Edouard, Brussels.
   a Plans of residences. 827
   b Plans of hospitals. 832
4. Mouly, F. V., Brussels. Ventilators. 829
5. Société anonyme des Forges d'Aiseau, Aiseau. Sheet-iron building. 830
6. Société anonyme "La Couvinoise," Couvin. Heating and ventilating apparatus. 829

GROUP 148.

7. Sasserath, Alphonse, Einé, Liége. Dental apparatus. 839

GROUP 149.

8. Van Dooren, Louis, Brussels. Chart of penmanship. 842
9. Van Oye, Alb., & Co., Maldeghem. Fac-simile of school for basket making. 847

GROUP 150.

10. Godenne, Jacques, Liege. Various publications. 854
11. Lyon-Claesen, F., Brussels. Bookbindery. 854
12. Van Dooren, Louis, Brussels. Advertising cards. 854

GROUP 151.

13. Administration Communale de Bruges, Bruges. Photographs of the city. 871
14. Administration Communale D'Ostende, Ostende. Photographs of the city. 871
15. Beernaert's Dry Plate Company, Gand. Photographic plates. 871
16. Belot, Ch., Brussels. Photograhic apparatus. 871
17. Gerkinet-Ledent, A., Herstal. Water-level indicator. 868
18. Géruzet frères, Brussels. Photographs on tiles, etc. 871
19. Sober, Edmond, frères, Brussels. Painted photographs. 871

GROUP 155.

20. Vanderperre, F. H., Brussels. Plans and photographs of exhibits at Expositions. 909

GROUP 158.

21. Berden, Franc & Co., Brussels. Grand and upright pianos. 930
22. Causard, Tellin, Grupont. Church bells. 927
23. Delflas, Camille, Brussels. Brass musical instruments. 933
24. Faes, Gustave, Antwerp. Violins and accessories. 929
25. Graffart, Julien, Liége. Music. 926
26. Senecaut, Pierre, Malines.
   a Wood musical instruments. 931
   b Brass musical instruments. 933
27. Vancauwelaert, frères & soeur, Brussels.
   a Brass musical instruments. 933
   b Accessories of musical instruments. 936

CANADA.

Hygiene, Medicine, Education, Literature.

GROUP 147.

1. **Peacock, Wm., Montreal. Cricket** and baseball bats. 825
3. **Rosebrugh, A. M., Toronto. Window** ventilators. 829
4. **Wilkinson, J., Peterboro, Ont. Sick-**bed appliance. 832

GROUP 148.

5. **Bonnar, Wm., Albion, Ont. Surgeon's** satchel. 837
6. **Harvard Chair Company, Toronto.**
   a Surgical chairs and cabinet. 837
   b Dental chairs and cabinet. 839

GROUP 149.

7. **Canada Office & School Furniture Co.,** Preston, Ont. School furniture. 842
8. **Colleges, Convents and Catholic** Schools of Canada. P. N. Bruchesi, Canon, Montreal, Que. Catholic educational exhibit from the universities, colleges, seminaries and normal schools of the Province of Quebec. 851
9. **Specimens of work from the schools of** the Brothers of the Christian Schools; St. Croix Congregation; Christian Brothers; Marists' Brothers; St. Gabriel Brothers; Brothers of the Sacred Heart; Brothers of St. Vincent de Paul; Catholic Commissioners of the City of Montreal; Sisters of Notre Dame; and various boarding and day schools in the Province of Quebec; also boarding and day schools in the Provinces of Ontario; Nova Scotia; New Brunswick; Prince Edwards Island; and the United States, and Convents of the Nuns of Quebec; Three Rivers; Stanstead, and Robervalle; Sisters of Ste Anne, Lachine; Sisters of St. Croix, St. Laurent; Sisters of the Good Shepherd, Montreal. 842
10. **Specimens of work from the Institution** of the Deaf Mutes, under the direction of the Sisters of Providence, Montreal; Sisters of Jesus Marie of Sillery, Quebec; Sisters of the Good Shepherd of Quebec; Sisters of Charity, of Quebec; Sisters of l' Assomption, Nicolet; Sisters of the Presentation of St. Hyacinthe; and Grey Sisters of the Cross; also school of Mr. Frs. Liénard, St. Sabastien. 849
11. **Specimens of work from the Modeling** School of the city of Laurentides, Henri Vaillancourt; also Elementary and Modeling Schools of Montreal and the Province of Quebec. 846
12. **Provincial Government of Northwest** Territories, Regina. Educational system. 850
13. **Provincial Government of Ontario,** Toronto. Educational system. 850
14. **Provincial Government of Quebec,** Quebec. Educational system. 840

GROUP 150.

15. **Biggar, E. B., Montreal. Textile** journals. 856
16. **Ernst, Charles F., New Hamburg,** Ont. Old bible. 854
17. **McClean, J. B., Publishing Company,** Toronto. Trade journals. 856

GROUP 151.

18. **Anderson Trading Company, Toronto.** Cash registers. 865
19. **Boorne & May, Calgary, N. W. T.** Photographs. 871
Most complete collection of Indian and Rocky mountain scenes in Canada. Send for catalogue. Dealers in Indian curios, etc.
20. **Campbell & Son, Toronto. Photo-**grapher's scenic background. 871
21. **Cochran, C. S., Hamilton, Ont. Photo-**graphs. 871
22. **Grant, Henry, & Son, Montreal.** Optical goods. 874
23. **Magrath, C. A., Lethbridge, N. W. T.** Photos of Lethbridge. 871
24. **Notman, Wm., & Sons, Montreal.** Photographs. 871
25. **Smith, Sydney A., Calgary, N. W. T.** Photographs. 871
26. **Stubbert, Jas. S., North Sydney, N. S.** Views of Cape Breton. 871
27. **Victoria Park Trustees, Truro, N. S.** Photographs. 871
28. **Williams, L. H., Montreal. Photo-**graphs. 71

Civil Engineering, Government and Law, Commerce, Music.

GROUP 152.

29. **Department of Public Works, Ottawa,** Ont. Views and plans of public buildings. 889
30. **Dominion Bridge Company, Montreal.** Drawings and photographs of bridges. 880
31. **Government of Nova Scotia, Halifax,** N. S. Models of bridges. 880
32. **Magrath, C. A., Lethbridge, N. W. T.** Blue print of Galt hospital. 889
33. **Meloche, F. Ed., Montreal.** Architectural plans and drawings. 889

GROUP 153.

34. **Beatty, W. J., Ottawa, Ont.** Stamp albums. 893
35. **Savard, Joseph L., Quebec.** Stamp album. 893

GROUP 154.

36. **Berry, A., Warden, Que.** Drawer equalizer. 898
37. **Canada Office & School Furnishing** Company, Preston, Ont. Office and opera furniture. 898
38. **McClean, F. E., Port Hastings, C. B.** Old bank notes. 897

GROUP 158.

39. **Barthlemes, A. A., & Co., Toronto,** Ont. Piano actions and autoharps. 930
40. **Close, J. A., Woodstock, Ont.** Violin tail piece. 936
41. **Dominion Organ & Piano Co., Bowmanville, Ont.**
    a Pianos. 930
    b Organs. 935
42. **Goderich Organ Company, Goderich** Ont. Organs. 935
43. **Hugill, Joseph, Toronto, Ont.** Violin and viola. 929
44. **Knaggs, Wm., Hamilton, Ont.** Violins and viola. 929
45. **Major, Geo., Cape Le Ronde, N. S.** Violin. 929
46. **Newcombe, O., & Co., Toronto, Ont.** Pianos. 930
47. **Ormond, Hugh, London, Ont.** Violins. 929
48. **Richer, Ovide A., Montreal, Que.** Violins. 929
49. **Williams, R. S., & Son., Toronto,** Ont. Pianos. 930

CEYLON.

Literature, Photography, Civil Engineering, Music.

GROUP 150.

1. **Ceylon Government.**
    a Books. 854
    b School books. 855

GROUP 151.

2. **Skeen, W. L. H., & Co.** Photographs of Ceylon. 871

GROUP 152.

3. **Ceylon Commission.** Rattan bridge. 880

GROUP 158.

4. **Ceylon Commission.**
    a Flute. 931
    b Puppet shows, masks, wenawa, kinnarama. 938
5. **Colombo Museum.**
    a Drum. 927
    b Flageolet. 931
    c Horn. 933

DENMARK.

Medicine, Education, Literature.

GROUP 148.

1. **Albumen, Maltrose & Gluten Manufactory** Copenhagen. Albumen, maltose and gluten.

GROUP 149.

2. **Lange, Joh., Copenhagen.** Parts of "Flora Danica." 852
3. **Orlandi's Succrs, Copenhagen.** Plaster casts of Thorwaldsen's works. Dept. H 846
4. **Society for Encouraging Manual Labor** in Homes and Schools, Copenhagen. Model, drawings and utensils for a wood carving class. Dept. H 847
5. **Tejsen, Miss Maja, Copenhagen.** Drawing system for feeble minded children. Dept. H 849

GROUP 150

6. **Aamodt, Axel E., Copenhagen. Books.** 854
7. **Bagge, Fr. Copenhagen. Illustrated** books. 854
8. **Bang, August, Copenhagen. Books.** 854
9. **Bernsteen, Simon, Copenhagen.**
   a Books. 854
   b Trade-printing. 860
10. **Boghandel, Gyldendalske, Copenhagen.** Books. 854
11. **Bojesen, Ernst, Copenhagen. Books.** 854
12. **Bording, F. E. Copenhagen. Trade-**printing. 860
13. **Central Printing Office, Copenhagen.** Books and illustrations. 854
14. **Clement's, D. L., Succrs, Copenhagen.** Books. 854
15. **Cordts, Carl, Copenhagen. Zoologi**cal and anatomical designs, lithographs. 854
16. **Flyge, J. L., Copenhagen. Bound** books. 854
17. **Gade, G. E. C, Copenhagen. Books.** 854
18. **Government of Denmark, Copenhagen.** Books. 863
19. **Grabe, C. E., Copenhagen. Books.** 854
20. **Hagerups, H., Copenhagen. Books.** 854
21. **Hausen, H. J., Copenhagen. "Zoologia** Danica." 854
22. **Industriforeningen Society, Copen**hagen. Books. 854
23. **Knudtyou, Fred G., Copenhagen.**
    a Books. 854
    b Trade-printing. 860
24. **Lehmann & Stage, Copenhagen.** Books. 854
25. **Nielsen & Lydiche, Copenhagen.** Books. 854
26. **Odense, Chr. Milo, Copenhagen.** Books. 854
27. **Petersen, P., Copenhagen.**
    a Books. 854
    b Trade-printing. 860
28. **Petersen, Thorvald, Copenhagen.** Bound books. 854
29. **Philipsen, P. G., Copenhagen. Books.** 854
30. **Reitzel, C. A., Copenhagen. Books.** 854
31. **Rom, N. C., Copenhagen.**
    a Books. 854
    b Designs for home and school work. 855
    c Maps. 864
32. **Royal Danish Academy of Sciences,** Copenhagen. Books. 585
33. **Royal Danish Geographical Society,** Copenhagen. Books.
34. **Royal Society of Northern Antiquities,** Copenhagen. Books. 863
35. **Siersted, Th., Copenhagen. School** maps. 864
36. **Society for Promoting the Publication** of Books, Copenhagen. Books and publications, papers from members; binding from special designs by Danish artists. 854
37. **Staggemeier, A., Copenhagen. Ap**paratus for ascertaining geographical positions. 864
38. **Thiele, H. H., Copenhagen. Books** and cromo-typography. 854
39. **Truelsen, Martins, Copenhagen.**
    a Books. 854
    b Trade-printing. 860
40. **Wimmer, L. F. A., Copenhagen.** Works on northern archæology. 854
41. **Winkel & Magnussen, Copenhagen.** Books. 854

Photography, Commerce, Institutions of Knowledge, Music.

GROUP 151.

42. **Christensen, C., Fredericia, Jutland.** Photographs. 871
43. **Jensen, Jucker, Copenhagen.** Photographs. Dept. H 871
44. **Knudsen, Cornelius, Copenhagen.** Barometer. Dept. H 872
45. **Lonborg, Chr., Copenhagen.** Photographs. Dept. H 871
46. **Müller's, Budtz, Succrs., Copenhagen.** Photographic apparatus, photographs, etc. 871
47. **Norholm, A., Copenhagen.** Compasses. Dept. H 867
48. **Schou, Albert, Copenhagen.** Photographs of Thorvaldsen's works. Dept. H 871
49. **Steen, Miss Mary, Copenhagen.** Photographs of Royal Danish castles. Dept. H 871
50. **Stolten & Simonson, Copenhagen.** Photographs exhibited on aristo paper. Dept. H 871
51. **Tyde, J. W., Copenhagen.** Photographs. Dept. H 871
52. **Zermekren, Johannes, Copenhagen.** Calcuting machine. Dept. H 865

GROUP 154.

53. **Höckendorff, P., Copenhagen.** Wafer stamps for office use. 898
54. **Mattat, C. P., Copenhagen.** Stamps for office use. Dept. H 898
55. **Zinther, Harold J., Fredensborg, Sealand.** Writing desk and chair. Dept. H 898

GROUP 155.

56. **Royal Geographical Society, Copenhagen.** The Society's periodical for four years. 907

GROUP 157.

57. **Loffler, J. B., Copenhagen.** Illustrated works on Danish church history. 919

GROUP 158.

58. **Felumb, J. Emil, Copenhagen.** Pianos. 930
59. **Jensen, Tang, Copenhagen.** Piano actions. 930

GERMANY.

Hygiene, Medicine.

GROUP 147.

1. **Bad Langenschwalbach, Langenschwalbach.** Thermal literature. Dept. A 829
2. **Bad Kreuznach, Kreuznach. Thermal** literature. Dept. A 829
3. **Bad Nauheim, Nauheim. Thermal lit**erature. Dept. G 829
4. **Bad Neuhaus, Neuhaus. Thermal lit**erature. Dept. A 829
5. **Brehner'sche, Dr. Heilanstalt fuer** Lungen Kranke, Goerbersdorf, Silesia. Thermal literature. Dept. A 829
6. **Centralstelle fuer Sommerpflege in** Deutschland, Berlin. Statistics, plans and models of sanitaries for children. 831
7. **Dernen, Gebr., Cologne. Protective** clothing for workmen. Dept. F 830
8. **Gandré, Friedrich, Hildesheim. Models** of disinfecting apparatus for hospitals. Dept. G 832
9. **Grove, David, Berlin. Drawings of** heating and ventilating plants for the German parliament building. Dept. G 829
10. **Heilemann, Julius, Berlin. Two-story** house of iron outside walls. 827
11. **Homburg v. d. Hoche, Bad. Thermal** literature. Dept. A 829
12. **Horst, Chr., & V. Weltzien, Darm**stadt. Drawings of the Clinical hospitals and of the insane asylum of Giessen. 832
13. **Kgl. Bagerisches Bad, Kissingen.** Thermal literature. Dept. A 829
14. **Kgl. Preussisches Bad, Bertrich.** Thermal literature. Dept. A 829
15. **Kgl. Preussisches Bad, Ems. Thermal** literature. Dept. A 829
16. **Kgl. Preussisches Seebad, Norderney.** Thermal literature. Dept. A 829
17. **Koehler, Dr. med. Jean, Freiburg i-**Baden. Combustible pocket telescoping spittoon. 829
18. **Loeb, Bernhard, jun., Berlin. Respi**ratory apparatus. 830
19. **Luftkurort & Weilbach, Weilbach-**Baden. Thermal literature. Dept. A 829
20. **Meyer, Rud. Otto, Hamburg. Draw**ings of heating and ventilating plants in use at public institutions in Germany. Dept. G 829
21. **Misdroy, Ostseebad, Misdoroy. The** sea-bata Misgroy. Dept. A 829
22. **Mueller, Uri, Ludwig, Coburg. Repro**ductions of deseases of the eye. 830
23. **Schimmel, Oscar, & Co., Chemnitz.** Plans of public disinfecting institutions. Dept. G 832
24. **Schlangenbad, Reg. Bez., Wiesbaden.** Thermal literature. Dept. A 829
25. **Schuster, Carl, Berlin. School bench** with folding plate and apparatus for physical culture. 842
26. **Seebad Helgoland, Helgoland, Ther**mal literature. Dept. A 829
27. **See & Soolbad, Kolberg. Thermal lit**erature. Dept. A 829
28. **Staedtische Kurverwaltung, Baden-**Baden. Thermal literature. Dept. A 829
29. **Soden am Taunus, Bad, Soden. Ther**mal literature. Dept. A 829
30. **Vereinder Berliner, Volkskuechen,** Berlin. Drawings and model of a charitable eating house, pamphlets. 826
31. **Von Sierstorpff-Cramm'sches Bad, Dri**burg. Thermal literature. Dept. A. 829
32. **Wolff, Felix, Berlin. Drawings of** tenement houses. 827

GROUP 148.

33. **Bauriedel, P. G., Nuremberg. Wafers.** 834
34. **Bock, Hilmar, Oberweissbach i-Th.** Artificial human eyes. 838
35. **Dannenberg, C. G. A., Hamburg.** Surgical instruments and apparatus. Dept. H 837
36. **Dewitt & Herz, Berlin. Surgical in**struments, etc. Dept. H 837
37. **Doerffel & Faerber, Berlin. Ophthal**mologic and laryngoscopic instruments and apparatus. Dept. J 837
38. **Ducehrssen, Dr. med. Alfred, Berlin.** Anti-septic ligature. 837
39. **Fischer, F. L., Freiburg i-Baden.** Surgical instruments, cases for instruments. Dept. H 837
40. **Fleischer T., Planen, Saxony. Tex**tures for ligatures. 837
41. **Halle, Bernhard, Steglitz near Berlin.** Optical preparations for polarization. Dept. J 874

Medicine, Primary, Secondary and Superior Education.

42. **Hartmann, Paul, Heidenheim, Wurtemberg.** Aseptic and anti-septic ligature. Dept. H 837
43. **Hecht, J., Berlin. Ophthalmolgic and** laryngoscopic instruments. Dept. J 837
44. **Jetter & Scheerer, Tuttlingen, Wurtemberg.** Aseptic, surgical instruments. Dept. H 837
45. **Joh. Lehmann, Berlin. Creosote-**capsules. 834
46. **Kaiserl, Normal, Aichungs, Kommission, Berlin.** Complete outfit of a gauger's office. 847
47. **Kohn, Emil, Karlsruhe. Platinum** burners for medical use. Dept. H 837
48. **Lahr, Eugen, Eschau, Bavaria.**
    a Capsules filled with medical substances. 834
    b Beef tea capsules. 835
49. **Loeb, Bernhard, Jun., Berlin. Eye** glasses. 838
50. **Mueller, C., Berlin. Surgical instru**ments and appliances. Dept. H 837
51. **Mueller, F. Ad. Soehne, Wiesbaden.**
    a Pathological preparations, etc. 834
    b Artificial eyes. Dept. H 838
52. **Mueller, Kuller, Christoph, Lanscha** i-Th. Artificial eyes. Dept. H 838
53. **Mueller, Uri, Ludwig, Coburg. Ar**tificial eyes. 838
54. **Ploehn, R., Radebuel, Dresden. Lig**ature and dressing. Dept. H 837
55. **Schmidt, Johann, Nuremberg. Wafers.** 834
56. **Schulze, Bruno C., Tlmenca i-Th.** Artificial eyes. Dept. H 838
57. **Thamm, J., Berlin. Surgical instru**ments and apparatus. Dept. H 837
58. **Weinberg Hitzacker Sanitarium.** Blood-producing beverage. 834
59. **Werndt, K. R., Leipsic. Artificial** teeth and sets of teeth. Dept. H 839
60. **Windler, H., Berlin. Surgical instru**ments. Dept. H 837

GROUP 149.

61. **Badischer Frauenverein, Karlsruhe.** Plans and description of public institutions. 850
62. **Badischer Kuns & Gewerbeverein,** Karlsruhe. Publications, prints. 842
63. **Berliner Hausfrauenverein, Berlin.** Model of a school of cooking, manuals. 843
64. **Collective, exhibit of the system of** German instruction, Eisenach. Memorials, graphic representations, synopsis. 851
65. **Duerfeld, Viktor, Nachf. Juhaber, Ber**lin-Oschatz. System of instruction for agriculture. 852
66. **Elsner, Julius, Goldlauter-near-Suhl.** Chemical and physical apparatus. Dept. J 845
67. **Erster Dresdener Frauenbildungsver**ein, Dresden. System of instruction for the drawing of patterns for linen. 852
68. **Fischbach, Friedrich, Wiesbaden.** Lithographic plates. 469
69. **Foerster, Auguste, Frl., Cassel. Uten**sils for children's schools of cooking. 843
70. **Frauenbildungsverein, Breslau. Sys**tem of instruction and works of the kindergarten. 84
71. **Frauenbildungsverein, Eisenach. De**scription of the system of Froebel's school of sewing. 841
72. **Frauenbuldungsverein zur Foerderung**der, Erwerbsthactigkeit, Breslau. System of instruction for schools of millinery and dressmaking, work of pupils. 843
73. **Frauenarbeitsschule, Reutlingen. Sys**tem of instruction in young women's school. 842
74. **Froebel-Verein, Berlin. Collection of** Froebel's means of instruction and occupation. 841
75. **Gagel, Karl, Karlsruhe. Designs for** art teaching. 846
76. **Gebhardt, Paul, Berlin. Scientific** physical apparatus for instruction. Dept. J 845
77. **Gerber, August, Cologne. Plaster** casts. 846
78. **Goetz, Hermann, Prof., Karlsruhe.** Publications, reproductions of designs. 846
79. **Grossherzogl Saechsische Praefung**sanstalt fuer Glasinstruments Tlmenau i-Th. Chemical apparatus. 845
80. **Haushalbungs Schule fuer Bauern** Toechter. Radolfzell, Baden. Compendium and reports. 843
81. **Heerwart, Frl., Eisenach. Froebel's** system of occupation. 841
82. **Heyl, Frau, Charlottenburg. Utensils** for children's schools of cooking. 843
83. **Hendschel, M., Frankfort-on-the-**Main. Sketch book. 846
84. **Hoffman, Julius, Stuttgart. Designs** for art industrial work. 846
85. **Hoffmann & Ohnstein, Leipsic. Man**uals for female hand work. 843
86. **Kafemann, A. W., Danzig. Charts** for intuitive instruction. 841
87. **Kaiserl Normal Aichungs Kommis**sion, Berlin. Scientific publications, etc. Dept. J 845
88. **Kafferer, C. A. Frankfort-on-the-**Main. Small school room with patent benches and tables. 841

89. **Kern's, T.U.Verlag, Breslau.** Works on natural science, illustrated cartoons and playbooks. 845
90. **Kindergarten-Verein, Breslau.** Model of a kindergarten. 841
91. **Kinder Rettungsanstalt, Herbrechtingen-Wurtemberg.** Handwork of children. 843
92. **Kleinkinder Verpflegungs-Anstalt,** Stuttgart. Photographs of the "Olga" crib. 841
93. **Klemm's H. Verlag, Dresden.** Literature for dressmakers. 843
94. **Klose & Wollmerstaedt, Berlin.** Xylographical works. 846
95. **Kohl, Max, Chemnitz.** Air-pumps and various other scientific apparatus. Dept. J 845
96. **Kramer & Fuchs, Frankfort-on-the** Main. Complete sample book. 843
97. **Krantz, Dr. F., Bonn.** Collection of models of minerals, relief-maps. 845
98. **Laeuger, Max, Karlsruhe.** Graphic works. 846
99. **Landois, Dr. H., Muenster i-W.** Zoological preparations for instruction. 845
100. **Lette-Verein, Berlin.** Courses of instruction and work of pupils. 847
101. **Magistracy, Breslau.** System of instruction for handwork of the public schools of Breslau, works of pupils. 844
102. **Magistracy, Munich.** Drawings and penmenship from the Munich public schools. 850
103. **Marbach, Frl., Eisenach.** Portfolio with Froebel's system of occupation. 841
104. **Nitzschke, Wilh., Stuttgart.** Designs for art industry. 846
105. **Sommer, Marcus, Sonneberg.** Anatomical models. 845
106. **Sophienshift, Weimar.** Views of the institution, works of pupils, means of instruction. 844
107. **Nebe, Wilhelm, Zerbst.** Chemical and physical glass instruments. Dept. J 845
108. **Vereinfuer Volkserziehung, Berlin.** Educational life in the "Pestalozzi-Froebel House" represented in plastic groups. 841
109. **Verein zur Erziehung Schulentlassener rAmer Maedchen, Berlin.** Model of the institution. 851
110. **Wachter, M., Freiburg i-Baden.** Designs for caligraphy. 846
111. **Ziegler, Friedrich, Freiburg i-B.** Models of wax for scientific instruction. 845

GROUP 150.

112. **Abel, Ambr., Leipsic.** Works on medicine and botany. 854
113. **Abel & Mueller, Leipsic.** Illustrated works. 857
114. **Ackermann, Th., Munich.** Books. Dept. G 854
115. **Albert, Jos., Munich.** Illustrated works. 857
116. **Amelang, C. F., Leipsic.**
    a Illustrated works, literature, anthologies. 854
    b School books. 855
117. **Amthor'sche Verlagsbuchhandlung,** Leipsic. Tourists' guides. 862
118. **Architekten und Ingenieur Verein,** Hanover. Periodical of the association. Dept. G 856
119. **Asher, A., & Co., Berlin.** Scientific books, archæology. 854
120. **Baedeker, Carl, Leipsic.** Tourists' guides. 862
121. **Baedeker, G. D., Essen.**
    a Geographical works. 854
    b School books. 855
122. **Baedeker, Julius, Leipsic.**
    a Literature. 854
    b Illustrated works. 857
123. **Baer, Joseph, & Co., Frankfort-on-the-Main.** Printed works. 854
124. **Barth, Joh. Ambr., Leipsic.** Works on natural science. 854
125. **Bassermann, 'sche Buchhandlung,** Munich. Books. 854
126. **Bassermann, Fr., Munich.** Wilhelm Busch's humorous literature. 854
127. **Baumgaertner 'sche Buchhandlung,** Leipsic. Books. Dept. G 854
128. **Bergmann, J. F., Wiesbaden.** Books. Dept. G 854
129. **Berker-Merker, E., Heilbronn.** Printed works. 854
130. **Berg, L. F. W., Berlin.** Trade journals. 856
131. **Berhtold, Rud., & Co., Wiesbaden.** Printed works. 854
132. **Bertling, Theod, Danzig.** Printed works. 854
133. **Bielefeld's, Verlag, Karlsruhe.** Books. Dept. G 854
134. **Bleyl, T., Dresden.** Works on architecture and art industry. 854
135. **Bloem, Julius, Dresden.** Trade journals and calendars. 856
136. **Boas & Hesse, Berlin.** Dictionary and synopsis of the human ear. 854
137. **Bong & Co., Berlin.** "Zurguten Stunde," Illustrated Family Journal, Illustrated Classic Library. 857

Literature, Books, Libraries, Journalism.

138. **Bong, Rich, Berlin.** Illustrated periodical "Moderne Kunst." 857
139. **Bormann, Edwin, Leipsic.** Poetry in the Saxon dialect. 854
140. **Boysen, C., Hamburg.** Illustrated works of Allers, Haase, Mueller. 857
141. **Boysen & Maasch, Hamburg.** Works on architecture and industry. 854
142. **Brandner, Otto, Dresden.** Religious illustrated works. 857
143. **Brandstetter, Friedrich, Leipsic.** School books. 855
144. **Braun & Schneider, Munich.** "Fliegende Blaetter." 857
145. **Breitkopf & Haertel, Leipsic.** Printed works.
146. **Breymann & Huebener, Hamburg.** Illustrated catalogues. 860
147. **Brockhaus, F. A., Leipsic.** Dictionary. 854
148. **Bruening, Heinr. & Aug., Hanau.** Cigar labels, etc. 860
149. **Buchhandlung der Waisenhauses.** Halle a-T. Printed works. 854
150. **Buelz, Martin, Chemnitz.** Printed works. 854
151. **Chief Mayor's office, Cologne.** Drawings: Street construction, canal construction, harbor plant, municipal elevated constructions, etc. Dept. G 863
152. **Consée, O., Munich.** Printed works. 845
153. **Cottasche, J. G., Stuttgart.** Books. 854
154. **Craz & Gerlach, Freiberg, Saxony.** Books. 854
155. **Cronan, Rudolf, Leipsic.** Sketches of America. 854
156. **Duncker, Alex., Berlin.** Political correspondence of Frederic the Great. 854
157. **Diakonissen, Anstalt, Kaiserswerth.** Religious literature. 854
158. **Dieterichsche, Verlagsbuchhandlung** Goettingen. Works on classical philology. 854
159. **Dreesen, Wilh., Flensburg.** Illustrated books. 857
160. **Drugulin, W., Leipsic.** Ancient and oriental literature and prints. 854
161. **Emele, Jul., Wiesloch.** Works about bookkeeping, literature and horology. 854
162. **Engelmann, Wilh., Leipsic.** Literature of natural science, history and ethnology. 854
163. **Ewertsche, N. G., Verlagsbuchhandlung, Marburg.** Printed works. 854
164. **Exportverein fuer das Koenigreich,** Lachsen, Dresden. Manuals for exporters. 860
165. **Felix, Arthur, Leipsic.** Books. Dept. G 854
166. **Fiedler, W., Leipsic.** Order calendar for publishing houses. 860
167. **Fleischmann, Julius, Gotha.** Manual for exporters. Dept. G 860
168. **Flemming, Karl, Glogan.**
   a Juvenile literature. 854
   b Maps. 864
169. **Fliegel, F. F., & Co., Dresden.** Posters; articles for publicity, etc. 860
170. **Fock, Gustave, Leipsic.** Printed works. 854
171. **Francke, Bernh., Sangerhausen.** Printed works. 854
172. **Freyhoff, Ed., Oranienburg.** Works on economy and agriculture. 854
173. **Friebel, Hugo & Co., Leipsic-Reudnitz.** Pamphlet on the bookbinders' trade. 856
174. **Friederichsen, L. & Co., Hamburg.** Land and marine charts. 864
175. **Friedlaender, R., & Sohn, Berlin.** Works on natural history and science. 854
176. **Friedrich, Wilh., Leipsic.** High class literature. 854
177. **Friese & von Puttkamer, Dresden.** Works on machinery. 854
178. **Friese, Robert, Leipsic.** Printed works. 854
179. **Froebelhaus (A. Mueller), Dresden.** Geographical map of the earth. 864
180. **Fromman & Morian, Darmstadt.** Geographical boards for instruction in in natural history. 864
181. **Gebhardt & Wilisch, Leipsic.** School books, works on anatomy. 855
182. **Geibel & Brockhaus, Leipsic.** Juvenile literature. 854
183. **Gerhardt, Wolfgang, Leipsic.** Works for instruction in the Russian language, oriental literature. 854
184. **Gensel, Gustav, Grima.** Printed works. 854
185. **Georgi, Karl, Berlin.** Printed works. 864
186. **Gesellschaft fuer Erdkunde, Berlin.** Reproduction of "Merrator's" work. 864
187. **Glaser, F. C., Berlin.** Annals of trade and architecture. Dept. G 856
188. **Goehre, H. M., Leipsic.** Bookbinders' works. 856
189. **Graebner, Gust, Leipsic.** Printed works. 854
190. **Graf & Sohn, Herm, Altenburg.** Bookbinders' works. 856
191. **Graefe, Lucas, & Sillem, Hamburg.** Printed works. 854
192. **Graser, Herm., Annaberg.** Printed works. 854
193. **Grotesche, G., Verlagbuchhandlung,** Berlin. Illustrated works of classics and history. 857

Literature, Books, Libraries, Journalism.

194. **Grumbach, C., Leipsic.** Illustrated printing. 857
195. **Gutbier, Adolf, Dresden.** Printed works. 854
196. **Haeder, Herm., Duisburg.** Books. Dept. G 854
197. **Haekner, Carl, Dresden.** Printed works. 854
198. **Haessel, H., Leipsic.** High class literature. 854
199. **Hahn'sche Buchhandlung, Hanover.** Books. 854
200. **Halle, W., Altona.** Printed works. 854
201. **Harrassowitz, Otto, Leipsic.** Printed works. 854
202. **Harrwits, Max, Berlin.** Printed works. 854
203. **Hedeler, G., Leipsic.** Journal for exporters. 856
204. **Heine's, T. T. Verlag, Berlin.** Printed works. 854
205. **Hendel, Otto, Halle a-S.** Printed works. 854
206. **Henze's, A., Verlag, Leipsic-Neustadt.** Geographical globes. 864
207. **Herder'sche Verlagsbuchhandlung,** Freiburg i-B. Printed works. 854
208. **Hermann, H. S., Berlin.** Chinese geographical map. 864
209. **Herrcke & Lebeling, Stettin.** School books for the English language. 855
210. **Herrose's, R. Verlag, Wittenberg.** Printed works. 854
211. **Hessling & Spielmeyer, Berlin.** Works on architecture. 854
212. **Heymann, C., Berlin.** Works on jurisprudence and political science. Dept. G 854
213. **Heymann & Schmidt, Berlin.** Advertising cards and novelties. 860
214. **Hiersemann, C. W., Leipsic.** Literature of art and art industry, architecture, archæology and Americana. 854
215. **Hinrichs 'sche, T. C., Buchhandlung,** Leipsic. Works on bibliography, theology and archæology. 854
216. **Hinstorffche Hofbuchhandlung, Wismar.** Works of Fritz Reuter, Gaedertz and Hr. Semler. 854
217. **Hirt, Ferdinand & Sohn, Leipsic.** School books. 855
218. **Hirt, Ferdinand, Breslau.** Illustrated works. 857
219. **Hirt, Ferdinand & Sohn, Leipsic.** Juvenile and pedagogical literature. 855
220. **Hirzel, S., Leipsic.** Grimm Bros. dictionary, works of Gustav Freitag. 854
221. **Hoffmann, Julius, Stuttgart.** Juvenile literature. 854
222. **Hoffmann, A. & W., Berlin.** Printed works. 854
223. **Holtze's, Otto, Nachf, Leipsic.** Classics and dictionaries. 854
224. **Institut, Kaiserlich deutsches archæologisches, Berlin.** Official publications. 854
225. **Institut, Bibliographisches, Leipsic.** Meyer's dictionary, "Brehm's thierleben," etc. 854
226. **Institut, Koenigl Stenographisches,** Dresden. Publications of members. 856
227. **Issleib, Wilhelm, Berlin.** Works on medicine. 854
228. **Jordan's, W., Frankfort-on-the** Main. High class literature, "die Neibelungen," "odyssee." 854
229. **Juestel & Goettel, Leipsic.** Works for manufacturers. 854
230. **Kanits, Herm. Gera.** Printed works. 854
231. **Keil's Ernst, Nachf, Leipsic.** Magazine, "Gartenlaube." 857
232. **Keller, Wilhelm, Munich.** Printed works. 854
233. **Keller, Henri, Frankfort-on-the-**Main. Illustrated works on architecture, art history, etc. 857
234. **Klim, Gebirgkuroeb Polizin, Pom**crania Pamphlets. Dept. A 854
235. **Kits, Herm., Saulgau, Wurtemberg.** Printed words. 854
236. **Klemm & Weiss, Dresden.** Trade literature for tailors. 860
237. **Klinkhardt, Jul, Leipsic.** Printed works. 854
238. **Koehler's, K. F., Antiquarium, Ber**lin. Printed works. 854
239. **Koehler, K. F., Leipsic.** Printed works. 854
240. **Kohlhammer, W., Stuttgart.** Works on political history and jurisprudence, oriental literature, documents from the Vatican. 854
241. **Kreidel, C. W., Wieshaden.** Printed works. 854
242. **Kretschmann, R., & M., Magdeburg.** Ornithological literature. 854
243. **Kuechtmann, Gerhard, Dresden.** Books on pedagogy and technology. 854
244. **Kuerschner, Jos., Stuttgart.** Selection of own works. 854
245. **Kuns, M., Illsach, Alsace.** Geographical works. 854
246. **Kunstakademie und Kunstgesverbeschule, Koenigl, Leipsic.** Official publications of the institution. 854
247. **Labensien, Max, Rathenow.** Military literature. 854
248. **Lang, Georg, Leipsic.** Maps. 864

Literature, Books, Libraries, Journalism.

249. **Lampart's Alpiner Verlag, Augsburg.** Maps and guides to the German Alps. 884
250. **Langenschidt, Prof. G., Berlin.** Works on the study of modern languages and literature. 854
251. **Lang, Georg, Leipsic. Books.** 854
252. **Laupp'sche, H. Buchhandlung, Tulbingen.** Works on jurisprudence, political economy and medicine. 854
253. **Lehmann's, J. F., Medizinische** Buchhandlung, Munich. Printed works. 854
254. **Leipsiger Monatschriftfuer Textil Industrie, Leipsic.** Trade literature. 860
255. **Lesimple's Adolph Verlag, Leipsic.** Printed works. 854
256. **Liegismund, K., Berlin. Portrait** gallery of the reigning princes and princesses of Europe. 857
257. **Limbarth, Chr., Wiessbaden. Printed** works. 854
258. **Lindauersche, J., Buchhandlung, Munich.** Scientific works. 854
259. **Lipsius & Fischer, Kiel. Books on** shipbuilding. Dept. G 854
260. **Lipperheide, Franz, Berlin. Periodical** "Modenwelt." 857
261. **Lipsius & Fischer, Kiel. Nautical** works. 854
262. **Loewenthal, W. & S., Berlin. Berlin** directory. 862
263. **Loewe's, F., Verlag, Stuttgart. Juvenile** literature. 854
264. **Luestenoeder, H., Berlin. Printed** works. 854
265. **Maeser, Julius, Leipsic. Printed** works. 854
266. **Mahlan & Waldschmidt, Frankfort-on-the-Main.** Printed works. 854
267. **Mahn, Adolf, Leipsic. "Von Haus** zu Haus," weekly journal. 857
268. **Malcanes, Carl, Berlin. Printed** works. 854
269 **Martin, C. A., Leipsic. Trade journal** for turners and wood sculptors. 856
270. **Mittelacher, Ad., Duesseldorf. Cardboard** labels. 860
271. **Mitscher & Roestell, Berlin. Printed** works. 854
272. **Mohrmann, Ernst, Stuttgart. Printed** works. 854
273. **Morgenstern, E., Breslau. Maps for** instruction in physics and natural history. 864
274. **Moritz, J. & Co., Hangenbieten,** Alsace. Copying book with sample print. 854
275. **Mueller, Michael, Munich. Trade** literature for merchant tailors. 860
276. **Mueckenberger, Rudolf, Berlin.** Printed works. 854

277. **Municipality of Berlin. Plans: Insane** asylum, public lodging house, hospital, public baths, stock yards and slaughter house, markets, bridges, drainage, gas works, etc. Dept. G 863
278. **Naumann, C. G., Leipsic. Printed** works. 854
279. **Nitzschke, Wilh., Stuttgart. Juvenile** literature and natural history. 854
280. **Oldenburg, R., Munich. Books.** Dept. G 854
281. **Opitz & Co., Guestrow. Printed** works. 854
282. **Oppenheim, R., Berlin. Scientific** works. 854
283. **Paetel, Gebr., Berlin. "Deutsche** Rundschau," memoirs, etc. 854
284. **Paetel, Hermann, Berlin. Scientific** works. 854
285. **Pasch, Max, Berlin. Printed works.** 854
286. **Pawelek, H., Regensburg. Theology** works. 854
287. **Perthes, Justus, Gotha. Literature.** 854
288. **Pfisterer & Leser, Lahr-Baden. Labels** and posters. 860
289. **Pietsch, Fr. Chr., Giessen. Printed** works. 854
290. **Prager & Lozda, Berlin. Advertising** posters. 860
291. **Prager, R. L., Berlin. Works on** political economy. 854
292. **Pustet, Fr., Regensburg. Printed** works. 854
293. **Puttkammer & Muehlbrecht, Berlin.** Works on political economy and jurisprudence. 854
294. **Ramm & Leemann, Leipsic. Printed** works. 854
295. **Redaktion der Zeitschrift "Stahl und** Eisen," Duesseldorf. Literature. Dept. G 854
296. **Regenhardt, C., Berlin.**
   a Works on philology and commercial science. 854
   b Trade directories. 862
297. **Reimer, Dietrich, Berlin. Geographical** maps and globes. 864
298. **Reissland, O. R., Leipsic. Works** on jurisprudence, medicine and geography. 854
299. **Reuther, H., & Reichard, Berlin.** Printed works. 854
300. **Richter & Kappler, Munich. High** class literature. 854
301. **Rosenbaum & Hart, Berlin. Printed** works. 854
302. **Roth, Emil, Giessen. Printed works.** 854

Literature, Books, Libraries, Journalism.

303. Rueger, Max, Berlin. Printed works. 854
304. Russel's, Adolph Verlag, Muenster i-W. Catalogue of the German publishing houses. 860
305. Saechsischer Ingenieur und Architikten-Verein, Dresden. Organ of the association, "The Civil Engineer." 856
306. Schaefer, Morits, Leipsic. Technological works. 856
307. Schlesische Buchdruckerei, Kunst und Verlags vorm, S. Schottlaender-anstalt. Breslau.
 a Sample book with printed matter. 854
 b Roster. 860
308. Schmorl & von Seefeld Nachf, Hanover. Books. Dept. G 854
309. Schmidt & Gelbrecht, Berlin. Manual directory for exporters. 862
310. Schmidt, H., & C. Guenther, Leipsic. Illustrated works on geography and ethnology. 857
311. Schoeningh, Ferd., Paderborn. School books. 855
312. Schorer, J. H., Berlin. "Das Echo" and "Schorer's" Familienblatt periodicals. 857
313. Schroeder, T. V., Paderborn. Printed works. 854
314. Schueffner, H. J., Nuremberg. Posters and advertising cards. 860
315. Schulze, Rich., Duisburg. Books. 854
316. Schulz, Engelhard W., Berlin. Works on art industry and architect. 854
317. Seehagen, Oswald, Berlin. Schlosser's history of the world. 854
318. Seemann, Arthur, Leipsic. High class literature. 854
319. Seemann, E. A., Leipsic. Work on art and art industry. 854
320. Send, Anton, Altona. Works on the textile industry, weaving, etc. 854
321. Seydel, A., Berlin. Books. Dept. G 854
322. Siemenroth & Worms, Berlin. Works on political science and jurisprudence. 854
323. Siemens, Georg, Berlin. Works on architecture. 854
324. Simon, Leonhard, Berlin. Books. Dept. G 854
325. Sittenfeld, Julius, Berlin. Printed works. 854
326. Soldau, Sigmund, Nuremberg. Illustrated works. 857
327. Spamer, Otto, Leipsic. Spamer's encyclopedia, Buch der Erfindungen juvenile literature. 854
328. Spangenberg, E., Berlin. Stamped writing paper, congratulation cards, etc. 854
329. Spamer, Hugo, Berlin. Printed works. 854
330. Speyer & Peters, Berlin. Scientific works. 854
331. Springer, Julius, Berlin.
 a Books. Dept. G 854
 b Trade works. 860
332. Stankiewier, P., Berlin.
 a Trade works. 860
 b Directory for exporters. 862
333. Stahl Sool und Eisenmoorbad, Pyrmont. Pamphlets. Dept. A 854
334. Stankiewicz, P., Berlin. Sientific. works. 854
335. Steinschneider, Julius, Berlin. Printed works. 854
336. Strassburger Druckerei und Verlagsanstalt vorm R. Schultz & Co., Strassburg i-A. Printed works. 854
337. Strauss, Emil, Bonn. Illustrated works. 857
338. Stroefer, Theo., Munich. Printed works. 854
339. Tauchnitz, Bernhard, Leipsic. "Tauchnitz edition" of dictionaries for foreign languages. 854
340. Terosch, H., Berlin. "Berliner Pflaster" illustrated journal. 857
341. Teubner, Leipsic. Books. Dept. G 854
342. Travers, J., Mayence. International Police Gazette. 857
343. Trewendt, Ed., Breslau. Works on natural science. 854
344. Trowitzsch & Sohn, Berlin. Printed works. 854
345. Truebner, Karl J., Strassbourg i-Alsace. Scientific works. 854
346. Union, Deutsche Verlagsgesellschaft, Stuttgart. Printed works. 854
347. Vahlen, Franz, Berlin. Works on political science, jurisprudence, and general history. 854
348. Vandenhoeck & Ruprecht, Goettingen. Religious works. 854
349. Valhagen & Klasing, Leipsic.
 a History and juvenile books. 854
 b School books. 855
 c Manual atlas. 864
350. Verband der Dampfkessel Ueberwachungs-Vereine, Breslau. Periodicals of the association. 856
351. Verein, Allgemeiner fuer Deutsche Litteratur, Berlin. Printed works. 854
352. Verein Deutscher Ingenieure, Berlin. Periodicals of the association. Dept. G 856
353. Verein zur Befoerderung des Gewerbfleisses, Berlin. Literature. Dept. G 854
354. Verlag der Fachzeitschrift der Industrie des Ersgebirges und des Vogtlandes, Dresden. Trade journal. 856

Literature, Books, Libraries, Journalism.

355. **Verlagsanstalt und Druckerei vorm,** T. F. Richter, Hamburg. Printed works. 854
356. **Verlagsanstalt fuer Kunst und Wissenchraft,** Munich. Art, historical and illustrated works. 857
357. **Verlag und Expedition der Internationalen** Zeitschrift fuer Industrie und Handel, Berlin. "Der Weltmarkt." 856
358. **Veiweg, Fr. & Sohn, Brunswick.**
a Books. 854
b Chemical technical works. 856
359. **Voigt, Bernh. Fr., Weimar.** Works on technology and industry. 854
360. **Volckmar, F., Leipsic.** Printed works. 854
361. **Voss, Leop., Hamburg.** Medical works. 854
362. **Wagner, H. & E. Debes, Leipsic.** Printed works. 854
363. **Warschaner, Moritz, Berlin.** Trade journal for manufacturers of musical instruments. 856
364. **Wasmuth, Ernst, Berlin.** Works on architecture and art. 854
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372. **Wiegandt & Grieben, Berlin.** Pedagogical and theological works. 854
373. **Wigand, Otto, Leipsic.** Medical, technical books and dictionaries. 854
374. **Wittwer, K., Stuttgart.** Books. 854
375. **Wolfrum, Fr., Duesseldorf.** Works on architecture and art industry. 854
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377. **Woywod, Max, Breslau.** Printed works. 854
378. **Zahn, G. & H. Baendel, Kirchhain,** N. L. Printed works in foreign languages. 854
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502. **Municipality, Darmstadt.**
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8. **Pedusen, Gustav, Meaux, France.** Text book on watchmaking. Dept. H 847
9. **Rosing, Marie, Christiania.** Books on dressmaking and needle work. Dept. H 843
10. **Thommesen, Tarje, Christiania.** Drawings, and desk for deaf mutes. Dept. H 849

GROUP 150.

11. **Cammermeyer's, Forlag, Alb, Christiania.** Dept. H
 a Publications. 854
 b Maps. 864
12. **Central Bureau of Statistics, Christiania.** Collection of publications on Norwegian statistics. Dept. H 863
13. **Dybwad, Jacob, Christiania.**
 a Road map of Norway. Dept. H 864
 b School books. 855
 c Books, sample of binding, etc. 854
14. **Folkebladets Aktiebolag, Christiania.** Books. Dept. H 854
15. **Krag, Commissioner of highways, Christiania.** Geographical maps. Dept. H 854
16. **Malling's, P. T., Boghandel, Christiania.** Books. Dept. H 854

Photography, Civil Engineering, Commerce, Music and Musical Instruments.

17. **Meteorological Institute, Christiania.** Reports and charts of arctic expeditions. Dept. H 864
18. **Refsum, Hans Matheus, Christiania.** Bookbinders' work. Dept. H 854

GROUP 151.

19. **Bennett's Tourist Office, Christiania.** Photos of scenery, etc. Dept. H 871
20. **Greve & Nordland, Stavanger.** Photographs. Dept. H 871
21. **Knudsen, K., Bergen.** Photographs. Dept. H 871
22. **Michelet, Fr. Aug., Christiania.** Chronometers. Dept. H 873
23. **Persen, Sostrene, Bergen.** Photographs. Dept. H 871
24. **Skoien, M., Christiania.** Photographs. Dept. H 871

GROUP 152.

25. **Lindgaard, Henry, Trondhjem.** Maps, surveys and drawings. Dept. H 877
26. **Thams, M., & Co., Trondhjem.** Plans of dwelling houses, wooden buildings for export. In Norway's pavilion. 889

GROUP 154.

27. **Dietrichson, J. L. W., Molde.** Statistical maps of mining and commerce. Dept. H 895

GROUP 158.

28. **Auversen, Svienung, Telemarken.** Violins. Dept. H 929
29. **Ellefsen, Kund, Telemarken.** Violin. Dept. H 929
30. **Helland, Gunder Olsen, Telemarken.** Violin. Dept. H 929
31. **Helland, Ole G., Telemarken.** Violin. Dept. H 929
32. **Hovdestad, Osten Bjornsen, Telemarken.** Violin. Dept. H 929
33. **Lofthnus, Bjorn, Vinje.** Violin. Dept. H 929

SWEDEN.

Location—In Woman's Building.

Hygiene, Surgical Instruments, Education.

GROUP 147.

1. **Aktiebolaget Vibrator, Stockholm.** Vibrator movement cure apparatus. 825
2. **Ekstrand, E. G., Stockholm.** Gymnastic apparatus. 825
3. **Gymnastiska Centralinstitutet, Stockholm.** Gymnastic implements, photographs, drawings, etc. 825
4. **Passe, Nils, Boston.** Gymnastic apparatus, drawings and photographs. 825
5. **Stockholms Gymnastikforening, Stockholm.** Gymnastic apparatus, photographs and literature. 825
6. **Stockholms Gymnastik och Faektklubb, Stockholm.** Fencing materials, literature and photographs. 825

GROUP 148.

7. **Engstrom, Joh., Eskilstuna.** Universal dental forceps. 839

GROUP 149.

8. **Alnarps Hofbeslagareskola, Akarp.** Material for instruction in horse-shoeing. 847
9. **Hallgren & Sundell, Stockholm.** Plastic reproductions of mushrooms, for use in public schools. 850
10. **Hushallningssallskapets i Blekings,** Blekings. Articles of wood, bone, textiles, etc.; models of wood and sloyd work. 847
11. **Lennings, John, Norrkoping.** Specimens of silk and gold hangings by pupils. 847
12. **Lundin, Hulda, Stockholm.** Models of system of teaching needle work in schools. 843
13. **Melander, A. E., Stockholm.** Kalkograph for tracing drawings and making blue-prints. 852

4. **Naas Slöjdlarareseminarium, Naas.** Models, charts, literature, photographs, etc., of sloyd carpentry. 844
5. **Tekniska Skolan i Eskilstuna, Eskilstuna.** Articles of steel, chased, etched and forged by pupils of the school. 847
6. **Tekniska Skolan, Stockholm.** Drawings, models and pupils' work in metal, wood, leather, porcelain, glass, clay, etc.; decorative painting. 847

GROUP 150.

7. **Beijers, F. G., Bokforlagsaktiebolag,** Stockholm.
   a Books and prints. 854
   b Maps. 864
8. **Bonnier, Albert, Stockholm.** Books and prints. 854
9. **Dahlman, C. E. Stockholm.** Atlas of Sweden. 864
0. **Fahlcrantz & Co., Stockholm.** Books. 854
1. **Fritzes, C. E., Stockholm.** Books. 854
2. **Generalstabens Topografiska Afdelning,** Stockholm. Topographic maps, astronomic and geodetic works. 864
3. **Horlin, Hugo, Stockholm.** Industrial Art Journal. 856
4. **Kongl. Sjokarteverket, Stockholm.** Charts and coast views. 864
5. **Mittag-Leffler, G., Stockholm.** "Acta Mathematica," a scientific journal. 856
6. **Norstedt, P. A., & Sons Co., Stockholm.**
   a Scientific works. 854
   b School books. 855
   c Materials for instruction, atlas. 864
7. **Sveriges Ekonomiska Kartverk,** Stockholm. Topographic maps, books, etc. 864
8. **Sveriges Geologiska Undersokning,** Stockholm. Geological maps and publications. 864

GROUP 151.

9. **Ahlberg & Ohlsson, Stockholm.** Surveying instruments. 867
30. **Aktiebolaget Mars, Stockholm.** Range finder for military and topographical surveying. 867
31. **Blomquist, C. G., Lulsa.** Photographs. 871
32. **Generalstabens Topografiska Afdelning,** Stockholm.
   a Astronomic instruments. 866
   b Geodetic instruments. 867
33. **Hadar Hallströms Kniffabriks Aktiebolag,** Eskilstuna. Mathematical instruments. 867
34. **Jonason, A., Göthenburg.** Photographs. 871
35. **Linderoth, G. W., Stockholm.** Chronometers. 873
36. **Olsson, A., Ostersund.** Photographs. 871
37. **Olsson, O., Ostersund.** Photographs. 871
38. **Sammland, R., Stockholm.** Photographs. 871
39. **Sjoberg, Axel, & Co., Karlsborg.** Photographs. 871
40. **Sohlberg, K. U., Strengnas.** Celestial globes of glass with horizon in liquid. 866
41. **Wahlstrom & Widstrand, Stockholm.** Photographs. 871

GROUP 152.

42. **Wickman, G., Stockholm.** Swedish pavilion. 889

GROUP 154.

43. **Eskilstuna Traforadlingsfabriks Aktiebolag,** Eskilstuna. Show case. 898

GROUP 155.

44. **Lindell, Per., Stockholm.** Collection of autographs and portraits. 909

GROUP 158.

45. **Ahlberg & Ohlsson, Stockholm.** Brass musical instruments. 934
46. **Bystrom, Prof. O., Stockholm.** Hymnology and music. 926
47. **Hagdahl, Joh., Karlskrona.** Piano. 930

SWITZERLAND.

LOCATION—In Dept. H.

Literature, Instruments of Precision, Music and Musical Instruments.

GROUP 150.

1. Kronecker, Dr., Berne. Scientifical exhibits. 854

GROUP 151.

2. Boissonas, Fréd, Geneva. Photographs. 871
3. Kern & Co., Aaran. Physical instruments. 867
4. Siegrist, J. & Co., Schaffhausen. Physical instruments. 867
5. Société pour la Construction d'Instruments de Physique, Geneva. Physical instruments. 867

GROUP 158.

6. Langdorff & Fils, Geneva. Musical boxes. 927
7. Mermod freres, Ste. Croix. Musical boxes. 927

WORLD'S COLUMBIAN EXPOSITION

1893

OFFICIAL CATALOGUE

PART XII.

ANTHROPOLOGICAL BUILDING
MIDWAY PLAISANCE
AND ISOLATED EXHIBITS

DEPARTMENT M. ETHNOLOGY

Archaeology, Progress of Labor and Invention,
Isolated and Collective Exhibits

F. W. PUTNAM, CHIEF

EDITED BY
THE DEPARTMENT OF PUBLICITY AND PROMOTION
M. P. HANDY, CHIEF

CHICAGO:
W. B. CONKEY COMPANY, PUBLISHERS
TO THE
WORLD'S COLUMBIAN EXPOSITION,
1893.

Entered according to Act of Congress in the year A. D. 1893, in the office of Librarian of Congress at Washington, D. C., by

THE WORLD'S COLUMBIAN EXPOSITION,

For the exclusive use of W. B. CONKEY COMPANY, Chicago.

This Catalogue presents the lists of exhibitors and exhibits as they were installed o accepted for installation, according to information filed with the editor of the Catalogue at the time of going to press. Additional entries, withdrawals, or changes in location of exhibits, will be noted in a subsequent edition.

W. B. CONKEY COMPANY,
PRINTERS AND BINDERS
CHICAGO.

DEPARTMENT M.

ETHNOLOGY, ARCHÆOLOGY, PROGRESS OF LABOR AND INVENTION.

GROUP 159.

VIEWS, PLANS OR MODELS OF PREHISTORIC ARCHITECTURAL MONUMENTS AND HABITATIONS.

Class 939. Caves—natural, artificial; dwellings, natural and artificial.
Class 940. Lacustrine dwellings—dolmens, tumuli, menhirs, cromlechs, alignments, cup-stones, graves, cists, crematories.
Class 941. Cliff and other dwellings—models of dwellings, shelters, skin lodges, yourts, huts (of bark, grass, etc.), wooden houses.
Class 942. Appurtenances—sweat-houses (models), totem-posts (originals and models), gable ornaments, locks.

GROUP 160.

FURNITURE AND CLOTHING OF ABORIGINAL, UNCIVILIZED AND BUT PARTLY CIVILIZED RACES.

Class 943. Household utensils and furniture.
Class 944. Articles serving in the use of narcotics—pipes, etc.
Class 945. Articles used in transportation.
Class 946. Clothing and adornment.

GROUP 161.

IMPLEMENTS OF WAR AND THE CHASE.

(See also Groups 86 and 113.)

GROUP 162.

TOOLS AND IMPLEMENTS OF INDUSTRIAL OPERATIONS.

Class 947. Gathering and storing food other than game—water vessels.
Class 948. Articles used in cooking and eating.
Class 949. Apparatus of making clothing and ornaments, and of weaving.

GROUP 163.

ATHLETIC EXERCISES—GAMES.

GROUP 164.

OBJECTS OF SPIRITUAL SIGNIFICANCE AND VENERATION—REPRESENTATIONS OF DEITIES—APPLIANCES OF WORSHIP.

GROUP 165.

HISTORIC ARCHÆOLOGY—OBJECTS ILLUSTRATING THE PROGRESS OF NATIONS.

GROUP 166.

MODELS AND REPRESENTATIONS OF ANCIENT VESSELS, PARTICULARLY OF THE PERIOD OF THE DISCOVERY OF AMERICA.

GROUP 167.

REPRODUCTIONS OF ANCIENT MAPS, CHARTS, AND APPARATUS OF NAVIGATION.

Class 950. Charts and maps of the world anterior to the voyage of Columbus.
Class 951. Charts and maps following the discovery.
Class 952. Charts and maps of the period of the early colonization of America.
Class 953. Charts and maps of America and the world at the period of the Revolution

GROUP 168.

MODELS AND REPRESENTATIONS OF ANCIENT BUILDINGS, CITIES OR MONUMENTS OF THE HISTORIC PERIOD ANTERIOR TO THE DISCOVERY OF AMERICA.

GROUP 169.

MODELS AND REPRESENTATIONS OF HABITATIONS AND DWELLINGS BUILT SINCE THE DISCOVERY OF AMERICA.

GROUP 170.

ORIGINALS, COPIES, OR MODELS, OR GRAPHIC REPRESENTATIONS OF NOTABLE INVENTIONS.

GROUP 171.

OBJECTS ILLUSTRATING GENERALLY THE PROGRESS OF THE AMELIORATION OF THE CONDITIONS OF LIFE AND LABOR.

Class 954. The evolution of the dwelling and its furniture.
Class 955. The evolution of the plow and other implements of the farm and garden.
Class 956. Evolution of tools—the ax, saw, and other implements of handicraft.
Class 957. Labor-saving machines and their effects.

GROUP 172.

WOMAN'S WORK.

GROUP 173.

STATE, NATIONAL, AND FOREIGN GOVERNMENT EXHIBITS.

GROUP 174.

THE NORTH AMERICAN INDIAN.

Class 958. Special monographic exhibit of the tribes of America.
Class 959. Villages or families of various tribes engaged in their native occupations.
Class 960. Specimens of their special work and industries. Collections of Indian "trinkets" or curiosities.
Class 961. Books or payers, written or printed, in his native tongue.
Class 962. Means and methods of communication between tribes by "sign" language and and "picture letters," etc. Status of females under tribal regulations.
Class 963. Treaties and acquisition of territory from the various tribes, and how obtained.
Class 964. Progress of Indian civilization through the efforts of the Government, missionaries, or by his own efforts and choice. His industrial pursuits and capabilities, as exemplified in the shop, on the farm and in the school-room. Inventions, etc.
Class 965. Music. The "Columbian Indian Band," consisting of sixty or more instruments.
Class 966. The allotment of lands to families and individuals, and its effects.
The Indian as an American citizen.
The hope of the Indian.
Class 967. Other attainments and industries not specially mentioned. (For treatment of Indians, reservations, etc., see Class 831, also special Indian schools, see Class 348.)

GROUP 175.

PORTRAITS, BUSTS AND STATUES OF GREAT INVENTORS, AND OTHERS WHO HAVE CONTRIBUTED LARGELY TO THE PROGRESS OF CIVILIZATION AND THE WELL-BEING OF MAN.

GROUP 176.

ISOLATED AND COLLECTIVE EXHIBITS.

Class 968. The Latin-American Bureau.

Department M.--Ethnology, Archæology, Progress of Labor and Invention.

SECTION OF ARCHÆOLOGY.

INDIVIDUAL EXHIBITORS.

Colorado State exhibit.
South Carolina State exhibit.
French Ministry of Public Instruction; Government exhibit. Foreign. Central America, through M. Desire Charnay, as delegate.
Costa Rica Government exhibit. Foreign.
Calvo, J. B., 1616 Nineteenth street, N.W., Washington, D. C. Individual exhibit. Foreign. Costa Rica.
Canada Government exhibit. Foreign.
Guthrie, E. L., 907 West Fourth street, Marion, Ind.
Green, C. H., Durango, Cal.
Greece Government exhibit. Foreign.
Golson, Edward S., 741 Russell street, South Saginaw, Mich.
Hales, Henry, Ridgewood, N. J.
Honduras Government exhibit. Foreign.
Indiana State exhibit.
Johnson, H. L., 822 N. Market street, Nashville, Tenn.
Kamensky, Theodore, 6540 Myrtle avenue, Woodlawn Park, Chicago.
Knowlton, James E., Damariscotta, Lincoln County, Maine.
Logan, F. G., 5 Board of Trade, Chicago.
Missouri State exhibit.
Maudslay, Alfred P., 11 Park Lane, London, W., England. Individual Foreign exhibit. Central America.
Mexico Government exhibit. Foreign.
New York State exhibit.
New South Wales, Government exhibit. Foreign.
Potter, Armond de, 645 Broadway, Albany, N. Y. Individual Foreign exhibit. Egypt.
Peru, Government exhibit. Foreign.
Riggs, C. W., 14 Madison street, Memphis, Tenn.
Smith, Harlan J., Saginaw, E. S., Mich.
Spain, Government exhibit. Foreign.
Thompson, Edward H., United States Consulate, Merida, Yucatan. Individual Foreign exhibit. Central America.
Utah, State exhibit.
Wyman, Walter Channing, for Wyman Brothers, Union League Club, Chicago.
Wisconsin, the State Historical Society of.
Peabody Museum of American Archæology and Ethnology, Cambridge, Mass.
Ayer, Edward E., Chicago.
Hayssen, Dr. Henry H., New Holstein, Wis.
Ohio Archæological and Historical Society, Columbus, Ohio.
Linton, Mrs. Elwina, 35 Wall street, New York.
Peralto, Josi Alejandro, Bishop of Panama.
Department of Ethnology, under the direction of F. W. Putnam, chief.
Wankel, H., Olmutz, Moravia.
British Guiana, Government exhibit. Foreign.
New York State exhibit.
Hunt, George H., Oldtown, Maine.
Colorado State exhibit.
Department of Ethnology, under the direction of F. W. Putnam, chief.
Dept. of Eth., U. S. Ind. Sec. of phys. Anth.
Earl Barnes, Leland Stanford University, Palo Alto, Cal.
F. Boas, Chicago, Ill.
H. P. Bowditch, Boston, Mass.
Felt & Tarrant, Chicago, Ill.
E. Hitchcock, Amherst, Mass.
Narragansett Machine Co., Providence, R. I.
W. F. Porter, St. Louis, Mo.
G. F. Peckham, Supt. Public Schools, Milwaukee, Wis.
Peabody Museum of American Archæology and Ethnology, Cambridge, Mass.
D. A. Sargent, Cambridge, Mass.
State Board of Health of Massachusetts.
University of Chicago, Chicago, Ill.
M. Anna Wood, Wellesley, Mass.
G. M. West, Chicago, Ill.
Ward's Natural Science Establishment, Rochester, N. Y.
Webb's Adder Co., New York, N. Y.

Dept. of Ethnology; Foreign Countries; Individuals; Sec. of Physical Anthropology.
John Beddoe, Bedford-on-Avon, England.
A. Corre, Paris, France.
Cambridge Scientific Instrument Company, Cambridge, England.
J. Kollman, Basel, Switzerland.
Bannwarth, Berne, Switzerland.
L'Manouvrier, Paris, France.
J. Ranke, Munich, Germany.
E. Schmidt, Leipzig, Germany.
Berliner Gesellschaft fir Anthropologie, Ethnologie und Urgerchiett, Berlin, Germany.
R. Virchow, Berlin, Germany.
Tambelli, Turin, Italy.
C. E. Beever.
I. W. Blackburn, Government Hospital for the Insane, Washington.
S. H. Champlin, College of Physicians and Surgeons, Chicago.
James B. Bullitt, Louisville, Ky.
F. X. Dercum, Philadelphia, Pa.
H. H. Donaldson, Neurological Laboratory, University of Chicago.
William Fuller, Grand Rapids, Michigan.
L. Hektoen, Chicago, Ill.
C. F. Hedge, Clark University, Worcester, Mass.
M. H. Knap, Chicago, Ill.
Lea Bros. & Co., Philadelphia, Pa.
J. Leeb, Physiological Laboratory, University of Chicago.
H. M. Lyman, Rush Medical College, Chicago, Ill.
F. T. Miles, Baltimore, Md.
Hugo Müsterberg, Harvard University, Cambridge, Mass.
W. P. Northrup, New York, N. Y.
M. Allen Starr, College Physicians and Surgeons, New York, N. Y.
C. A. Strong, Psychological Laboratory, University of Chicago.
Truax, Greene & Co., Chicago, Ill.
W. F. Whitney, Harvard Medical School, Boston, Mass.
B. G. Wilder, Cornell University.
C. O. Whitman, Norphological Laboratory, University of Chicago.
Isaac N. Kerlin, Elwyn Institute, Pennsylvania.
L. Manouvrier, Societe d'Anthropologie, Paris, France.
R. W. Reid, University of Aberdeen, Scotland.
F. O. Schultze, University of Würzburg, Germany.
G. Schwalbe, Strasburg, Germany.
Adolph Zeigler, University of Freiburg, Germany.
H. Vievordt, Lübingen, Germany.
Johannes Ranke, Munich, Germany.
Berliner Gesellschaft fur Anthropologie, Ethnologie and Urgeschichte.
Max Kohl, Chemnitz i-S, Germany.
Stoerhrer & Sohn, Leipzig, Germany.
R. Rothe, Prague, Wenzelsbad, Austria.
F. Majer, Strassburg i-E, Germany.
Wilhelm Petzold, Leipzig, Germany.
R. Jung, Heidelberg, Germany.
Kagenaar, Utrecht, Holland.
Carl Krille, Leipzig, Germany.
Leppin & Masche, Berlin, Germany.
Emil Sydow, Berlin, Germany.
Wilhelm Walb, Heidelberg, Germany.
E Zimmerman, Leipzig-Gohlis, Germany.
H. Elbs, Freiburg i-B, Germany.
Mariaud, Paris, France.
P. Roulot, Paris, France.
Charles Verdin, Paris, France.
Cretes, Paris, France.
D. J. Cunningham, University of Dublin, Dublin, Ireland.
Eberstaller, University of Graz.
Exner, University of Vienna, Vienna, Austria.
Giacomini, University of Turin.
Victor Horsley, University College, London, England.
Jung, Heidelberg, Germany.

SECTION OF NATURAL HISTORY.

INDIVIDUAL EXHIBITORS.

Agassiz Association, St. Louis, Mo.
Bradley, A. H., Helena, Mont.
Boehm, Albert, 408 Oakland street, St. Lacrosse, Wis.
Canada Government exhibit. Foreign.
North Dakota State exhibit.
Hart, W. W., & Co., 5 West Third street, New York
Kaempfer, Fred, 47 East Madison street, Chicago.
Lattin, Frank H., Albion, N. Y.
Missouri State exhibit.
Maine State exhibit.
New York State exhibit.
Ohio State exhibit.
Pennsylvania State exhibit.
Stanisky, Gustav, & Co., 2346 Wabash avenue, Chicago.
Stiles, Leander, 2533 Wabash avenue, Chicago.
Sowdon & Webster, 738 Broadway, New York.
Tolhurst, F. B., Livingstone, Mont.
Vaughan, Mrs. Carrie Shields, Natchez, Miss.
Ward's Natural Science Establishment, 16-26 College avenue, Rochester, N. Y., by Henry A. Ward, President.
Warembath, Samuel, Tenafly, N. J.
Colorado State exhibit.
Fuchs, Louis, 614 N Street, Belleville, Ill.
Gurley, Wm. F. E., Danville, Ill.
Putnam, Esther, O., Cambridge, Mass.
Sguyer, Homer, Mingusville, Mont.
Indiana State exhibit.
Hayssen, Dr. Henry H., New Holstein, Wis.

SECTION OF HISTORY.

INDIVIDUAL EXHIBITORS.

Palestine Exploration Fund, London, England. Foreign, Palestine.
Beeker, Frank, 706 South Washington Square, Philadelphia, Pa. Individual Foreign exhibit, France.
Bourilin, Dimetrius, Ivanovovo Voznesensn, Russia. Individual Foreign exhibit, Russia.
Bruegger, Gustav, Pullman, Ill. Individual Foreign exhibit, Swiss.
Chute, James M., 14 Cedar street, Somerville, Mass.
Farquhar, A. B., Harrisburg, Pa.
Hayssen, Dr. Henry H., New Holstein, Wis.
Hooper, W. S., 638 W. Monroe street, Chicago, Ill.
Joensch, Max A., Wahoo Brewery, Wahoo, Neb. Individual Foreign exhibit, European.
Kelso, Tessa L., Public Library, Los Angeles, Cal.
Kimball, W. S., Rochester, N. Y.
Lloyd, Wm. Maretta, Schullsburg, Wis.
MacDonald, A. E., 517 South Normal Parkway, Englewood, Ill.
Luxton, G. H., 196 Oak street, Chicago, Ill.
Ohio Archæological and Historical Society, Columbus, Ohio, State exhibit.
Spriestersbach, William, Pittsburg, Pa.
Wisconsin State Historical Society, State exhibit.

SECTION OF ETHNOLOGY.

INDIVIDUAL EXHIBITORS.

Angevine, M. H., Fort Yates, North Dakota.
Calvo, J. B., 1616 Nineteenth street, N. W., Washington, D. C. Individual exhibit. Foreign, Costa Rica.
Dyer, D. B., Kansas City, Mo.
Grabill, John H., 113 Adams street, Chicago.
Gunning, R. J., 79-83 Van Buren street, Chicago.
Henderson, Alice Palmer, 2301 Clinton avenue, Minneapolis, Minn.
Haupt, Herman, Jr., 606 Rialto Building, Chicago.
Johnstone, Capt. R. S., New Travelers' Club, 97 Piccadilly, London, W. England. Individual foreign exhibit, Lagos, W. Africa.
Kinney, Louise Catlin, 1730 K street, Washington, D. C.
Kunz, George F., Tiffany & Co., Union Square, New York.
Lawrence, G. A., Jocko, Montana.
Lees, William, Egerton Villa, Heywood, Lancashire, England. Individual Foreign exhibit, Japan.
Lindle, John A., Albert-Lea, Minn. Individual Foreign exhibit, Sweden.
Mead, H. Kimmington, Pinches Creek, Alta, N. W. T., Canada.
McMillan, J., 91 W. Madison street, Chicago. Individual Foreign exhibit, West Africa.
Mexico Government exhibit. Foreign.
Royal Natural History Museum, Vienna, Austria. Foreign.
New York State exhibit.
New South Wales Government exhibit. Foreign.
Paraguay Government exhibit. Foreign.
Babcock, Oliver M., 1401 Washington boulevard, Chicago.
British Guiana Government exhibit. Foreign.
Remengi, E., LaGrange, Ill. Individual Foreign exhibit, Tulas of East Africa and Madagascar.
Russia, Government exhibit. Foreign.
Shutleff, Harvey, 828 Polk street, Chicago, Ill.
Swan, James G., Port Townsend, Wash.
Spain, Government exhibit. Foreign.
Utah State exhibit.
Waterman, Henry B., 3436 Rhodes avenue, Chicago. Individual Foreign exhibit, Japan and East Indies.
Museum für Volkerkunde, Leipzig.
Anthropologische Gesellschaft, Vienna.
K. K. Naturhistorisches Hofmuseum, Vienna.
K. Museum für Volkerkunde, Berlin, Germany.
Fletcher, Alice C., Washington, D. C.
Nuttall, Zelia, Dresden, Germany.
Department of Archæology and Palæontology, University of Pennsylvania, Philadelphia.
Egyptian section, Department of Archæology and Palæontology, University of Pennsylvania, Philadelphia. Mrs. Cornelius Stevenson, curator.
Milton Bradley Co., Springfield, Mass.
Lady Charlotte Schreiber, 17 Cavendish Square, London, England.
Brunswick Balke-Collender Co., Chicago, Ill.
W. H. Wilkinson, Esq., H. B. M. Consul, Swatow, China.
Mr. C. Howard Colkel, 1334 Walnut street, Philadelphia.
Library of the University of Pennsylvania, Philadelphia.
Mr. Stewart Culin, University of Pennsylvania, Philadelphia.
The Numismatic and Antiquarian Society of Philadelphia, Philadelphia.
Mrs. Stewart Culin, 105 South Twenty-second street, Philadelphia.
Dick & Fitzgerald, New York City.
Mrs. I. K. Van Rensselaer, 40 E. Twenty-ninth street, New York City.
McLaughlin Bros., 871 Broadway, New York City.
Mrs. E. A. P. de Gueirero, 260 South Ninth street, Philadelphia.
Mr. H. C. Thomas.
Mr. Charles E. Dana, DeLancy Place, Philadelphia.

AUSTRIA.

Objects Illustrating Progress of Amelioration of Conditions of Life and Labor.

GROUP 171.

1. **Collective Exhibit of the following** Austrian inventors: C. Back, Vienna; S. Bohac, Vienna; Joachim Brenner Freiherr von Schloss Gamfahrn, near Vienna; Fr. Cuhel, Dr., Prague; Rudolf Dolezal, Prague; Feitzinger & Co., Vienna; Josef Fischer, Vienna; S. B. Hawes, Dr., American Consul at Reichenberg (Bohemia); E. S. Heller, Tglan (Moravia); Baldwin Hellers Sones, Teplitz (Bohemia); O. L. Ritter von Slanor, Lee-Villa am Attersee (Upper Austria); Robert B. Sentsch, Ingenieur, Vienna; G. Josephy's Erben, Bielitz (Silesia); Julius Katz, Vienna; Karl Kellner, Vienna; Richard Klimger, Ingenieur, Vienna; K. Krivanc & Co., Prague; Theodor Langer, Ingenieur, Vienna; Alois von Luttrotti, Podsued und Vienna; Ferdinand Ritter von Manlicher, Oberingenieur, Vienna; Franz Michel K. K. Hoftischler, Vienna; Johann Nadler, Vienna; Fr. Pohl, Tetschen a Elbe; Adolf Rack, Vienna; Jenny F. W. Schindler, Kemsmelbach, near Bregenz; Alois Schneider, Mariascheim (Bohemia); Wilhelmine Semler, Vienna; Ottokar Skrivan, Prague; Anton Springer, Kasten (Lower Austria); Rudolf Tanczos, Vienna; Johann Weissenbeck & Co., Vienna, and Alois Winkler & Co., Vienna.

CANADA.

Apparatus of Navigation, Government Exhibits, Indian Exhibits.

GROUP 167.

1. **Daly, Alexander F., Montreal.** Mariner's compass. 953

GROUP 173.

2. **Love, W. H., St. John, N. B.** Shield of military buttons.

GROUP 174.

3. **Burt, R. C., Chatham, Ont.** Indian curiosities. 960

4. **Canadian Government (Department of** Indian Affairs). Ottawa, Ont. Indian exhibits. 960

CEYLON.

Furniture and Clothing, Tools, Games, Appliances of Worship.

GROUP 160.

1. Ceylon Commission. Models of Vedda man and woman, with articles used by them. 943
2. Ceylon Commission. Baskets. 943

GROUP 162.

3. Ceylon Commission. Model of brick, tile, lime and pottery kilns. 949

GROUP 163.

4. Ceylon Commission. Games.
5. Colombo Museum. Olinda pad.

GROUP 164.

6. Ceylon Commission. Figure of Buddhist monk, devil-dancers' masks.
7. Chas, W., Appuhami. Bronze Buddha.
8. Colombo Museum, Ceylon. Dagoba and model of Buddha's tooth.

GROUP 169.

9. Ceylon Commission. Model of Sinhalese hut with articles of daily use.

GROUP 171.

10. Ceylon Government (presented by the Sultan). Articles illustrating the progress and conditions of life in Ceylon.

DENMARK.

Architectural Plans or Models.

GROUP 159.

1. Petersen, Magnus, Copenhagen. Archæological engravings. Dept. L

GERMANY.

Appliances of Worship, Historic Archæology, Models of Habitations.

GROUP 164.

1. Ferlings, F., Crefeld. Ecclesiastical vestments and textures.
2. Fischer, Carl, Munich. Colossal crucifix; images of saints.
3. Fischer, Th., Crefeld. Images of saints on copper plates.
4. Frey, Johann, Munich. Madonna with infant.
5. Gotzes, Th., Crefeld. Ecclesiastical objects and textures.
6. Hartmann, Albert, vorm. L. Biwus, Augsburg. Enameled cups and vases.
7. Hellner, Fritz, Xaver, Kempen. Ecclesiastical vessels of all kinds.
8. Krieg, Josef, Freiburg-Baden. Ecclesiastical vestments.
9. Lang, Gg. sel. Erben, Oberammergan. Crucifixes, religious groups, altar, etc.
10. Leser, Jakob, Straubing. Gothic monstrances and rococo monstrance.
11. Mayer & Co., Munich. Ecclesiastical outfit.
12. Ortmann, Josef, Firma Al. Kronnenbitter, Munich. Cups and silver vessels.
13. Osiander, Geschwister, Ravensburg. Embroidered robes of gold brocade.
14. Photographische Gesellschaft, Berlin. Reproductions of religious pictures.
15. Rieppel, Marianne, Firm. Ferd. Rieppel, Munich. Embroidered mass robe, etc.
16. Riesenhuber, Alois, Munich. Altar, sacred figure.
17. Rietzler, F. X., Munich. Ecclesiastical figures.
18. Schaidhauf, Johann, Munich. Altars.
19. Schuelter, Th., Cologne. Statues, images.
20. Schreibmayer, T. G., Munich. Embroidered ecclesiastical robe.
21. Wasinger, Anton, Munich. Virgin Mary; holy water basins.
22. Werner, Franz P., Munich. Ecclesiastical banners, etc.
23. Wolf, Barbara Frl., Munich-Neuhausen. Designs for ecclesiastic embroideries.
24. Zorns, Auzmann, Augsburg. Rosaries.

GROUP 165.

25. Assu, Otto, Munich. Ancient artistic goblets.
26. Reinhold, Karl, Jr., Munich. Miniature historical costume figures with arms.
27. Schwarzenberg, C., Munich. Reproductions of ancient arms and armors.

GROUP 168.

28. Nebelacker, Joseph, Ludwigshafen-on-the-Rhine. Model of the interior of Roman house.

GROUP 169.

29. Deutsche Ethnographische Ausstellungs-Gesellschaft, Berlin. German village.
30. Ministerium fuer Elsas-Lohringan, Stranburg-Alsace. Relief model representing the vicinity of Sewen.
31. Uebelacker, Joseph, Ludwigshafen-on-the-Rhine. The Castle of Heidelberg before its destruction.

GROUP 170.

32. Keidel & Co., Berlin. German inventions of various kinds.

GROUP 171.

33. Niebler, Alois, Munich. Ancient German chairs and table.

GREAT BRITAIN.

Models of Ancient Buildings, Woman's Work.

GROUP 168.

1. **Maudslay, Alfred P., London.** Photographs of monuments and buildings in Central America. Ethn. Bldg.

GROUP 169.

2. **Illustrated London News, Ltd., London.** Fac-simile of Shakespeare's house. Special Bldg.

GROUP 172.

WOMAN'S WORK.

Education.

President: Mrs. Fawcett.

Misses Buss, Julia Cock, Davenport, Hill, Gurney, Todd, Kingsley, F. Stevenson and L. Stevenson.

ENGLAND.

Colleges.

1. **Bedford College, London.** Views of college and students acting.
2. **Girton College, Cambridge.** Architect's drawing and views; Anglo-Saxon pottery found in the garden at Girton.
3. **Lady Margaret Hall, Oxford.** Group of students.
4. **Newnham College, Cambridge.** Views of buildings, students' rooms, students, and staff.
5. **Royal Holloway College, Egham, Surrey.** Views of the buildings.
6. **Somerville Hall, Oxford.** Views of buildings, rooms and students.
7. **University College, Nottingham.**
8. **Westfield College, London.**

Medical Education.

9. **Clapham Maternity Hospital.** Photograph of ward.
10. **London School of Medicine for Women.** Groups of students.
11. **New Hospital for Women.** Drawings of college; photographs of medical staff.
12. **Royal Free Hospital.** Photographs of building.

Schools.

13. **Ladies' College, Cheltenham.** Photographs; college magazines.
14. **North London Collegiate School for Girls.** Views of buildings, magazines, reports, etc.
15. **Princess Helena College, Ealing, London.** Views of buildings and students.

Girls' Public Day School Company, Ltd.

16. **Blackheath High School.** Photographs, specimens of work, etc.
17. **Harrow Music School.** Examination papers and publications.
18. **Sheffield High School.** Drawings, specimens of work, school magazines, etc.
19. **York High School.** Photographs of pupils acting, drawings and magazines.

Inventions Bearing on Education.

20. Mrs. Ayrton's line-divider; Miss A. Gregory's geodoscope; Mrs. Mitford's puzzle alphabet; Miss Kerr's skeleton celestial globe; Miss Huddleston's "Theoria Harmonica;" Miss Linscott's invention for teaching notation; Miss A. Osborne Moore's philograph; Miss Constance Barnard's kindergarten loom; Miss Constance Barnard's script letters; Miss Lambert's paragon needlework apparatus; Mrs. Jessie Farwell's geographical cards; Miss Croad's arithmetron.

Portraits.

21. **Tripos Students, Newnham College, Cambridge;** graduates of London University; pupils of North London Collegiate School; first woman M. A. of London University and her sister; first nine women graduates of the Royal University, Ireland; graduates of London University; North London Collegiate Schools for Girls; graduates of London University; Ladies' College, Cheltenham, etc.

IRELAND.

Official Educational Systems for Both Sexes.

22. Report and rules of Board of National Education; report of the Board of Intermediate Education; report of the Royal University of Ireland.

Colleges Founded by Men, to Which Women Have Been from Time to Time Admitted.

23. **Queen's College, Belfast.** Royal College of Surgeons, Dublin; Royal College of Physicians; Royal College of Science, Dublin; Magee College, Londonderry; Methodist College, and the McArthur Hall for Women, Belfast.

Colleges Founded by Women, for Women.

24. **Alexandra College, Dublin.** Portrait of founder; view of college; calendars; historical sketch.

25. **Victoria College, Belfast.** Portrait of founder; photograph of college, students and teachers; magazine; prospectus, etc.

Schools Founded and Carried On by Women, Giving Advanced Education.

26. **Ladies' Collegiate School, Londonderry.** Strand House school, Londonderry; Alexandra School, Carrickfergus, photographic group of pupils and teachers and reports of Alexandra School, Carrickfergus, and sketch of the Alexandra School, Dublin, in connection with Alexandra College.

27. School reports from high school for girls, Cork; Wellington Park, Belfast; Seatown Place, Dundalk; Portadown; Rutland Place, Dublin; Moravian Schools, Gracehill; Cookstown; Coleraine; Dungannon; Russell street, Armagh; Princess Gardens, Belfast; Oriel College, University Square; Osborne Park; Sullivan Schools, Holywood; Intermediate School, Newry, and Warrenpoint.

Special Schools.

28. **Rochelle Schools, Cork.** Photograph of school, historical sketch, etc.

School Belonging to the Society of Friends.

29. **Girls' Advanced School, Mountmellick.** Agricultural School, Brookfield; Brookfield School; Lisburn School; Clergy Daughters' School, Dublin; Female Masonic School, Dublin, and Training College, Dublin.

Miscellaneous.

30. Report of the Irish Schoolmistress' Association for 1890; memorial of the Council of Trinity College, Dublin, and comparative summary of Intermediate Examinations of 1892.

SCOTLAND.

Edinburgh School Board.

31. Photographs of schools; time tables; Edinburg Royal High School, founded early in the twelfth century; Sciennes Public School; London Street Public School, and Torphelian Street Public School.

Edinburgh Medical Education.

32. **Edinburgh School of Medicine for Women.** Photographs of buildings and students; reports, etc.

33. **Scottish Association for the Medical Education of Women.** Photographs and reports.

Glasgow School Board.

34. Complete plans of school; photographs; prospectuses; reports; maps; drawings illustrative of standard work.

Glasgow Medical Education.

35. **Queen Margaret's College.** Photographs and calendar.

FINE ARTS.

Pictures Sent by Her Majesty and the Royal Family.

36. Six original sketches from nature, contained in one frame, by H. M. the Queen.
37. Views from the Queen's room at Balmoral, in snow, November 12, 1880.
38. View from another window, also at Balmoral, November 18, 1878.
39. Pug belonging to Prince Henry of Battenberg, drawn by the Queen in the railway, June 24, 1886.
40. "Spot," the Queen's fox terrier, January 25, 1891.
41. View at Aix-les-Bains, from Tresserve
42. View from the Queen's sitting-room at Balmoral in autumn, 1878.
43. Copy in water-colors from an oil painting, size of life, of H. M. the Queen's Munshi and Indian secretary, Abd-ul Karim, 1892, by H. M. the Queen.
44. Two pictures in oil, by H. R. H. Princess Christian of Schleswig-Holstein.
45. Study from nature in water-colors, by H. R. H. Princess Louise (Marchioness of Lorne).
46. A picture by H. R. H. Princess Beatrice (Princess Henry of Battenberg).
47. "Old Sussex College," Mrs. Allingham.
48. "To the Front" (French cavalry leaving a Breton town on declaration of war), Lady Butler.
49. "Hastings," Madame Bodichon (The Founder of Girton).
50. "Portrait of a Baby," Miss Alice Grant.
51. "An English Maiden," Mrs. Jopling-Rowe.
52. "Pallazzio Rezzonice, Regatta Day" (Browning's palace, Venice), Miss Clara Montalba.
53. "A Market Woman, Dortrecht," Miss Hilda Montalba.

Woman's Work.

54. "On the Riviera," Miss Ellen Montalba.
55. "Dolly's Ball Dress," Mrs. Perugini.
56. "Eurydice Sinking Into Hades," Miss Henrietta Rae.
57. "The End of the Hop-harvest, Kent," Miss Steward Wood.

Handicrafts.

President: Lady Roberts.

Mrs. Jack Johnson, Miss Helen Blackburn, Miss Webster and Miss C. Holden.

58. **H. M. the Queen.** Two napkins made from flax spun by Her Majesty. A hat painted by Her Majesty and given to her granddaughter, Princess Victoria of Schleswig-Holstein.
59. **H. R. H. The Princess of Wales.** Corner chair of carved oak and cut and embossed cowhide.
60. **H. R. H. Princess Helena (Princess Christain of Schleswig-Holstein).** Embroidery on linen; knitted jersey.
61. **H. R. H. Princess Victoria of Wales.** Music stool of carved oak and cut and embossed cowhide.
62. **H. R. H. Princess Maude of Wales.** Stool of carved oak in cut and embossed cowhide.

Bookbinding and Covering.

63. **Bayly, Miss Helen.** Shakespeare, bound in cut leather.
64. **Birkenwith, Miss, London.** Books bound and tooled.
65. **Brownlow, Mrs. Harry, Cambridge.** Embroidered book covers.
66. **Firth, Miss Susanna.** Books bound in cut and tooled leather.
67. Nichols, Miss. Bindings in various leathers.
68. Noedel, Miss Charlotte, Superintendent of H. R. R. the Princess of Wales' Technical School, Sandringham. Blotter of oak, with panel of cut embossed enameled cowhide over silver.
69. **Prideaux, Miss S. T., London.** Embroidered velvet and leather bindings.
70. **Royal School of Art Needle Work, London.** Books bound in vellum, illuminated.

Illustrations for Books.

71. **Bradley, Miss Gertrude A., Birmingham.** Illustrations for fairy tales.
72. **Canton, Miss S. R., Bloomsbury.** Black and white illustrations; magazine cover.
73. **Dicksee, Miss Margaret, Bloomsbury.** Black and white illustrations.
74. **Greenaway, Miss Kate, London.** Four drawings for illustration to book of "Children's Games."
75. **Pocock, Miss Julia, London.** "Enoch Arden," illustrated.
76. **Whipple, Miss Amy, Devonport.** Water-color illustrations of Hood's poem, "Flowers."
77. **Wyatt, Miss K. M., Bloomsbury.** Magazine cover.

Cameos.

78. **Astbury, Mrs. W. Spencer, Tunbridge Wells.** Female head; portrait of Cardinal Newman.
79. **Pocock, Miss Julia, London.** Cameo shell; Queen's jubilee coinage.

Carvings in Wood.

80. **Barr, Miss Lizzie, East Grinsted.** Sideboard, style of reign of James I.
81. **Dobbongs, Miss Lucie A., Leeds.** Table of Swedish sloyd carving.
82. **Eliot, Mrs. C. T., Coventry.** Old English eight-day clock.
83. **Elont, Miss, Belford.** Walnut dresser, seventeenth century.
84. **Heath, Miss Maud A., Tunbridge.** Frames with painting.
85. **Packer, Miss Elizabeth, London.** Oak columns.
86. **Reeks, Miss Maria E., London.** Mirror frame, 16th century.
87. **Royal Normal College & Academy for the Blind, London.** Models in woodwork by the Anglo-American sloyd carvers.
88. **Tankerville, Countess of, Belford.** Buffet and dresser after the Flemish.
89. **Wilkinson, Miss Gladys.** Carved and gilt frame.
90. **Williams, Miss Constance, London.** Oak mirror, 16th century.

In Ivory.

91. **Tankerville, Countess of, Belford.** Fan handle, plaques for note or card-case.

In Stone.

92. **Bonham, Miss Agnes, South Norwood Hill.** Photographs of reredos in St. John's church, Norwood, carved by herself.

Chromo Lithography.

93. **Chromo-Lithographic Studio, London.** Birds, heads, and figure subjects.

Designs.

94. **Aumonier, Miss Louise, Ballinger.** For wall papers.
95. **Betts, Miss Lily M., London.** For wall paper, frieze or embroidery.

Woman's Work.

6. Bradley, Miss Gertrude, Birmingham. Colored, of "Fox and Geese."
7. France, Miss Georgia Cave, Tysley. For wall paper, showing repeats.
8. Gemmell, Miss Mary, London. For wall papers.
9. Murray, Miss E. Emily, London. For china tea service.
10. Murray, Miss Nina, Scarborough. Designs.
11. Parker, Miss Violet M., Edgbaston. For wall paper.
12. Prochantza, Baroness Pauline, Kilkenny. For frieze.

Etchings and Fashion Plates.

13. Martyn, Miss E. K., London. Illustrations to Christabel.
14. Parker, Miss Violet M., Edgbaston. Finger plates mounted.
15. Piper, Miss Elizabeth, London. "The Chelsea homes of Carlyle, Rosetti, Turner and George Eliot;" "Westminster Abbey;" "The Spinning Wheel."
16. Young, Miss Lilian, London. Fashion drawings in wash and line.
17. Young, Miss Maggie, London. Fashion drawings in wash.

Fan Painting.

1. Arding, Miss Helen, London. Gauze fan leaves.
2. Canton, Miss S. R., Bloomsbury. Fan.
3. Granville, Miss, Biarritz, France. Gauze fan leaves.
4. Horton, Miss G. E., Bloomsbury. Fan.
5. Jay, Miss Isabella, London. Fans copied from Turner's "Caligula Castle and Bridge," and "Approach to Venice."
6. Langford, Miss Alice, Bloomsbury. Watteau fan.
7. Manly, Miss Alice. Fan designed and painted by command of the Queen and presented by her to H. R. H. Princess Beatrice on her marriage.
8. O'Connor, Miss Evelyn, Southsea. Gauze fan.
9. Reid, Miss A. M., London. Fan in Pompeiian style.
10. Vasey, Miss Clara, London. Gauze leaf, painted Cupids; fan, "All nations visiting the World's Fair."

Fly Tying.

11. Brocas, Mrs. Letitia, London. Artificial flies.

Gesso Duro.

12. Barker, Miss May, London. Decoration for piano front.
13. Barker, Miss May. Panels for pilasters.
14. Wylie, Mrs. C., London. "Twilight;" "The God of Love."

Glass, Stain and Enameled.

15. Casella, Miss Ella, Kensington. Enameled decanter and glasses.
16. Casella, Miss Nelia, Kensington. Enameled glass jar.
17. Newill, Miss Mary, Edgbaston. Cartoons for stained glass windows.

Goldsmiths' Work.

18. Brock-Hollinshead, Miss, Seaton. Tiaras, necklaces, hairpins, and pins of filigree.
19. Newman, Mrs., London. Necklaces, brooches, bracelets of gold, with enamel and precious stones.
20. Chart of Women's Progress in the British Isles, from 1857 to 1892 sent by the National Society for Women's Suffrage, London.

Illuminations.

21. Channer, Miss C. A., London. Triptych of MS., illuminated.
22. Lynch, Miss Agnes, London. Illuminations on vellum.

Handspun Linen.

23. Langdale Linen Industry, Langdale. Specimens of handspun and handwoven linen.

Leather Work.

24. Aluta, London. Embossed leather card and letter cases.
25. Bartlett, Miss, Liverpool. Blotting book and writing case in embossed leather.
26. Bassett, Miss M. A., Leighton Buzzard. Leather work.
27. Bayly, Miss Helen, Florence, Italy. Blotter, leather wallet and card cases.
28. Bowley, Mrs. Richard, London. Blotter and ladies' card-case in leather work.
29. Christie, Miss M., London. Embossed leather blotting book.
30. Firth, Miss Susannah, Kirby Lonsdale. Blotting book in embossed leather.
31. McClure, Mrs. Edmund, London. Ancient Cromwellian chair re-covered.
32. Ottman, Miss, Stonehaven, N. B. Game book with coat-of-arms.
33. Smith, Miss Sophia, Kirby Lonsdale. Screen panel.
34. Wetton, Miss Edith, London. Chair covered.
35. Wheatley, Dorothy Helena, London. Hall arm chair of embossed leather.

Woman's Work.

Mediums for Artists.

143. **Turck, Miss E., London.** Specimens of work done with Florentine tapestry and other mediums; Cheval screen with panels after an old tapestry.

Marqueterie.

144. **Malet, Miss Mabel W., London.** Writing set, boxes and photograph frames.
145. **Working Ladies' Guild, London.** Photograph frames, table, writing-desk, screen, etc.

Modeling.

146. **Bradley, Miss Gertrude M., Birmingham.** Panel illustrating "The Shoemaker and the Elves."
147. **Brown, Miss Kate L., Birmingham.** Designs for panels.
148. **Canton, Miss S. R.** Wax figure, "Fairy Godmother."
149. **Casella, Misses Ella & Nelia, London.** Colored wax bas-reliefs.
150. **France, Miss Georgie Cave, Tysley.** Panel and models for repousse silver work.
151. **Giles, Miss Margaret, London.** Design for plaster frieze "Floreat Flora."
152. **Quesne, Miss, Bloomsbury.** Dancing figures.

Mosaics.

153. **Hodge, Miss Alma, London.** Mosaics.

Miniatures.

154. **Grosvenor, Hon. Mrs. Norman, London.** Case of miniatures.
155. **Hamley, Miss Barbara M.** Case of miniatures.
156. **Harbutt, Mrs. Cambridge, Bath.** Case of miniatures.

Painting on China.

157. **Beane, Miss Elizabeth, Camberwell.** Plaque, Royal arms of England.
158. **Butterton, Miss Mary, London.** Plaque (flowers).
159. **Goodwin, Miss Ada E., Derby.** Plaque of Roman designs.
160. **Harbutt, Mrs. Cambridge, Bath.** Paintings on china.
161. **Harrison, Miss Emily.** A Florentine poem.
162. **Lewis, Miss Florence, London.** Dessert service (Scotch scenes and flowers).
163. **Sansom, Miss Nellie, London.** "Le Reveil;" a portrait; "Margaret."
164. **Thatcher, Miss Euphemia, London.** Panel (flowers).
165. **Williamson, Mrs., London.** Plaque ("Tears").

On Panels and Screens.

166. **Elont, Miss, Belford.** Screen, old Watteau pattern.
167. **Spiers, Miss Charlotte, London.** Panel painted tulips.
168. **Tankerville, Countess of, Belford.** Screen, old Watteau pattern.
169. **Woolhouse, Miss Margaret, London.** Screen with painted panels.

Patented Inventions.

170. **Barron, Miss M. A., East Moulsey.** Collapsible coal scuttle; combined dress stand and fire-escape.
171. **Brown, Miss Mary, London.** Portable washing copper.
172. **Calverley, Mrs., Bewicke, London.** Music folio and stand.
173. **Claxton, Mrs. M. A., New Brighton.** Combined table and book rack.
174. **Dale, Mrs. M. A., Richmond.** Folding mail-cart.
175. **Garwood, Mrs.** Invention to facilitate pouring from bottles.
176. **Gladstone, Mrs. M. C., Bury St. Edmunds.** Combined traveling trunk and wardrobe.
177. **Grimes, Mrs. E., North Walsham.** Protectors for fingers when sewing.
178. **Hungerford, Miss M. S., Clonekilty, Ireland.** Boots and gaiters, showing new method of lacing.
179. **Impsey-Lovibond, Miss M. A., Ardleigh.** Combined sealing wax holder and seal.
180. **Jones, Mrs. S. E., Bangor, Wales.** Hygienic egg boiler.
181. **Kesteven, Mrs., Hampton Wick.** Improved carving fork.
182. **Mackie, Mrs., London.** Clothes washer.
183. **Malcolmson, Mrs. C. A., East Barnet.** Expansible umbrella holder.
184. **McCleverty, Mrs., Newnham-on-Severn.** Combination skirt stand and table.
185. **Parnell, Mrs., Barnston, Wallington.** Drawings of inventions for extracting gold from base metal.
186. **Peckover, Miss, London.** Sanitary sink basket.
187. **Phillipps, Mrs. M. D., London.** Ear trumpet.
188. **Seaton, Miss R., Sunbury-on-Thames.** Cleats for holding ends of threads.
189. **Stephenson, Miss R., London.** Knee music stand.
190. **Symonds, Mrs. S., Guernsey, I. M.** Adjustable millinery stand.
191. **Tenison, Mrs. F., London.** Appliance for lifting hot plates.

192. **Turk, Miss D. E., London.** Specimen of painting on textiles.

Plan Tracing.

193. **Long, Miss E. T., London.** Specimens of plan tracing.

Photography.

194. **Browne, Miss Frances, London.** Portraits in photographic, sepia and Bartolozzi tint, and black and white.
195. **Shand, Miss Alice M., London.** "Rest."

Printing.

196. **Women's Printing Society, Ltd., London.** Specimens of type setting.

Pyrography or Poker Work.

197. **Hope-Shorrock, Mrs. Samuel, Darwen.** Three panels; photo frame, original design.
198. **Working Ladies' Guild, London.** Bureau, grotesque design; chest; folding table.

Repousse Work.

199. **Bewicke, Mrs. Calverley, London.** Worked silver book cover; screen in pierced brass and copper with poker worked back.
200. **Bray, Miss Laura, Shere.** Plaque, "Lords and Ladies."
201. **Brown, Miss Charlotte, Tunbridge Wells.** Pair of bellows, brush and tray.
202. **Evans, Miss Ada M., Witley.** Brass tray, alms dish.
203. **Mills, Miss Clara, Birmingham.** Pair of bellows.
204. **Rowley, Mrs., London.** Silver sconces.
205. **Walker, Miss Lillian, Birmingham.** Bookcover and salver.

Sculpture in Marble, Terra Cotta, etc.

206. **Bonham, Miss Agnes, South Norwood Hill.** Photograph of reredos, in St. John's church, Norwood, carved by herself.
207. **Ferguson, Miss, London.** Marble bust, "Dorthea;" stone panel; marble column.
208. **Moore, Miss Esther M., London.** Bust in terra-cotta.

Straw-Plaiting and Basket Work.

209. **Mansfield Girls' Institute, London.** Baskets.
210. **Wood, Miss G., Aldbury.** Baskets.

Tiles.

211. **Babb, Miss E. Charlotte, London.** Enamel tile painting; angel.
212. **Lewis, Miss E., London.** Underglaze tile, frame.

Technical Education.

213. **Technical Education for Women, London.** Photographs of classes, certificates, cooking recipes, books, plans, manual and system of technical education in cookery, household sewing, home dress cutting and laundry work.

Upholstery.

214. **Garrett, Miss Rhoda M., London.** Hand-made carpet.
215. **Malet, Miss Ethel, London.** Coffer-shaped box.
216. **Royal School of Art Needlework, London.** Footstools; old Cromwellian chair; box, casket, etc.

Vernis-Martin.

217. **Watson, Mrs. Douglas, London.** Glove-box and handkerchief-box.

Wood-Engraving.

218. **Blackburn, Miss Helen, London.** Engraved wood block.
219. **Society for Promoting the Employment of Women, London.** Engravings of women.

Lace.

President: Duchess of Abercorn.

Lady Clinton, Lady Ernestine Edgecumbe, Lady Susan Fortescue, Lady Iddlesleigh, Lady Kenmare, Lady Kennaway, Lady Susan Morley, Hon. Mrs. Marker, Hon. Mrs. Peek, Mrs. Bruce Clarke, Mrs Alfred Morrison, Mrs. Reeve and Miss Constance Hargrove.

English Hand-Made.

220. **Bedfordshire.** Hand-made pillow lace and Bedford lace.
221. **Buckinghamshire.** Black silk fan cover and edging, narrow baby lace, white edging, white insertion, handkerchief border and Maltese and old Buckinghamshire lace collected by Lady Buckinghamshire's Committee.
222. **Devenshire.** Honiton point fichu, handkerchief and fans with net filling, collected by Lady Iddlesleigh's Committee.
223. Handkerchiefs and lappets in Honiton guipure, trimming and flounces in Honiton point (Miss Radford, Sidmouth).
224. Specimens of Honiton guipure of various periods, to give idea of the alterations in style and workmanship in the last 100 years. (Mrs. Fowler Honiton.)
225. Specimens sent by Mrs. Herbert.
226. Specimens of reproductions of Italian laces from Beer (Lady Trevelyan).

Woman's Work.

227. **Isle of Wight.** Harriet Eldridge, Niton. Lace shawls, etc.
228. **Northamptonshire.** Laces (L. Stanton, Maidford).

Irish.

229. **Lindsay, B.** Applique, Royal Irish guipure, tambour, tatting, hard and soft crochet, Irish point and antique point laces.

Literature.

President: Mrs. Gordon.

Mrs. Humphrey Ward, Mrs. Clifford, Mrs. Green, Miss Kingsley and Miss Gayford.

Publications by the English Royal Family.

230. Old and rare books by Dame Juliana Berners, Dame Gertrude More, Lady Packington, Mary Astell, Mrs. Latter, Mrs. Pilkington, Lady Morgan and O. Moreland.
231. Novels by 70 women authors.
232. Poetry by 34 women authors.
233. Juvenile books by 33 women authors.
234. Historical, biographical and miscellaneous works by 122 women authors.
235. Scientific and miscellaneous works by 27 women authors.
236. Pamphlets by 3 women authors.
237. Travels by 23 women authors.
238. Music by 9 women authors.

Needlework.

Presidents: Lady Henry Grosvenor and Lady Amherst of Hackney.

239. **Allote, Miss L., Alford.** Plush border, worked flowers.
240. **Allsop, A. G., Manchester.** Bedspread, art embroidery.
241. **Anderson, Mary E., Grantham.** D'oyleys, netting on linen.
242. **Batt, Miss A., Witney.** Embroidered baby shoes.
243. **Bavin & Ormiston, Reading.** Sofa cushion, stole.
244. **Benn, Mrs., Windermere.** Cushion cover.
245. **Birkett, Miss, Windermere.** Table center.
246. **Birkett, Miss Jean, Windermere.** Chair back.
247. **Bolton, Mrs., Funchas, Isle of Madeira.** Oriental table cloth.
248. **Boxwell, Miss, London.** Handkerchief sachet, crepe work.
249. **Boxwell, Miss E., London.** Cushion cover, copied from dress worn by aunt of Sir Walter Scott.
250. **Brett-Jeffares, Miss L. W., Wexford, Ireland.** Mountmelick quilt.
251. **Brown, Miss C. M., Malvern.** Cushion cover.
252. **Buckle, Miss M., London.** Cottag piano front.
253. **Childs, Miss Amy, Wisbech.** Bab robe.
254. **Clarke, Miss M. A., Manchester** Embroidered mantel border.
255. **Cope, Mrs., London.** Copy Munic book cover, 14th century.
256. **Courtenay, Mrs. S. C. London.** Ta ble center.
257. **Crosthwait, Mrs. E., Funchas, Isl of Madeira.** Cushion, panel of screen.
258. **Davidson, Miss H. A., Castle Tow Isle of Man.** Copy of old prayer-boo cover.
259. **Digby, Miss, London.** Banner, Sai Cecilia.
260. **Dillon, Mrs., Frome.** Art embroider
261. **Dixon, Miss J., Harrogate.** Tabl center.
262. **Dixon, Miss J. M., Harrogate.** Po tiere.
263. **Elles, Miss M. C., Wimbledon.** Em broidery.
264. **Erskine, Mrs. Z., Warminster.** Cu tain, old design.
265. **Ffennell, Miss, London.** Embroider and needle work.
266. **Flegg, Miss C. M., King's Lyn** Nightdress; netted d'oyleys.
267. **Froud, Miss M., Bournemouth.** Sil pulpit hanging.
268. **Garde, Miss H. M., Cheyne, Irelan** Feather sprays.
269. **Gardner, Miss E. M., Ilfracombe** British moths; worked silks.
270. **Garnett, Miss A., Windermere.** Cush ion cover; tea cloth.
271. **Garnett, Miss W., Windermere** Mantel cloth.
272. **Goslin, Miss, London.** Tablecloth crochet border.
273. **Gowan, Miss, London.** Cushion photo-screen and mirror frame designe by H. R. H. Princess Louise; tablecloth linen, etc.
274. **Green, Miss Annie, Dewsbury** Eis wool shawl.
275. **Hainsworth, Miss C. D., Harrogate** Nightdress, sachet and brush bag.
276. **Halsham, Mrs. L., Leeds.** Shepher and sheep worked by Lady C. T. Clive governess to H. M. the Queen.
277. **Harris, Miss R., Ealing.** Afternoo tea cloth.
278. **Hayden, Mrs. W., Whitland, Sout Wales.** Embroidered quilt; nightdres bags.
279. **Henry, Miss J., Portobello.** High land stockings.

Woman's Work.

280. Herbert, Miss, Wadhurst. Knitted pincushion.
281. Hinton, Miss L., The Til, Maderia. Linen sofa back.
282. Holiday, Mrs. C., London. Embroidered portiere.
283. Huxley, Mrs. M., Chester. Virgin and Child and Good Shepherd, embroidered.
284. Innes, Mrs. Mitchell, Frome. Border fo. court train.
285. Irish Women's Work Society, Hollyrood, Ireland. Quilts; sheet and pillow shams; shamrock table center.
286. Jameson, Miss M. A., Kendal. Child's pinafore.
287. Kendall, Miss A. J., Penzance. Embroidered handkerchief.
288. Kennard, Miss, Blandford. Embroidered sofa cushion.
289. Kent, Miss, Salisbury. Design for altar frontal.
290. Keown, Miss, Coleraine, Ireland. Silk screen panel.
291. Kidd, Miss M. M., Perth. Knitted stockings.
292. Knight, Miss M., Chelsea. Patchwork scripture text quilt.
293. Lea, Mrs., Urmston. Linen photo frame.
294. Lucas, Miss A., Hutchin. Altar superfrontals; sofa back.
295. Macgregor, Miss I., London. Needlework done at widows' industrial class at Amritsar, Peshawur.
296. Macpherson, Miss L., London. Embroidered curtain.
297. MacRae, Miss S., Rothesay. Tartan hose.
298. Maples, Misses H. & E., Spalding. Fish scale embroidery.
299. Mercier, Mrs. J., Tewkesbury. Chemise, chalice veil, socks, towel and pillow case.
300. Miller, Mrs. W. F., Sidcot. Bed cover.
301. Mitford, Miss E. B., London. Green silk stole.
302. Molineaux, Misses, London. Baby shoes.
303. Morant, Miss L., Weymouth. Mounted worked fan.
304. Morris, Miss May, London. Coverlet for bed.
305. Newton, Miss I., Ireland. Curtain.
306. Nicholson, Mrs. A. J., Cork, Ireland. Linen quilt; portiere; couvrette.
307. Noble, Miss M. G., Hull. Patchwork quilt, 15,682 pieces.
308. Noedel, Miss, Sandringham. Aprons, overalls for artists; blouses.
309. Paget, Mrs. K. M., London. Copy of old Turkish and Ruskin linen embroidery.
310. Palmer, Misses Felise, Windsor. Cushion cover; children's smocks.
311. Parkinson, Miss M., Brighton. Coral embroidery.
312. Phelps, Miss A. J., Farringdon. Samples of darning.
313. Purvis, Miss, Salisbury. Stole; surplice.
314. Pye, Mrs. Walter, Stirling. Portiere; bodice trimmings.
315. Randall, Miss, Slough. Embroidered quilt.
316. Rigg, Miss M. B., London. Cushion.
317. Russell, Miss R., London. Worked pictures.
318. Saunders, Miss F. H., Baltinglass, Ireland. Sideboard cloth, Mountmellick work.
319. Saunders, Miss L., Baltinglass, Ireland. Toilet cover.
320. Scott, Miss A., London. Poker work.
321. Sharp, Miss C., Barnet. Knitted stockings.
322. Shepard, Miss A., London. D'oyleys; brackets.
323. Sheppard, Mrs., Surbiton. Strip for table.
324. Sherlock, Mrs., Castletown, Isle of Man. D'oyleys.
325. Smallwood, Miss, Great Malvern. Cushion.
326. Smith, Miss M. A., London. Chair backs, table cloth, fan and blotter.
327. Stone, Miss L., Streatham. Screen.
328. Superioress, Convent of Mercy, Abingdon. Hood of cope.
328a. Thompson, Miss, Lancaster. Tea cloth.
329. Thompson, Miss E., Lancaster. Netted bags.
329a. Tobin, Miss E. G., Cheshire. Copy of old christening quilt, etc.
330. Tracy, Miss J. F., Ipswich. Fish scale embroidery.
330a. Walker, Miss E., Robin Hood. The "Months," in needlework.
331. Walmsley, Miss A., Lucerne, Switzerland. Table cloth.
331a. Webster, Mrs., Edinburgh, Scotland. Tartan socks.
332. Webster, Mrs., Wemyss. Satin embroidery; design found on Queen Antoinette's tambour frame at Le Petit Trianon.
332a. Welch, Miss E., Canonbury. D'oyley.
333. Westrope, Miss M. E., Clifton. Table covers, melon seed work.
333a. Wheeler, Miss M., Bridgenorth. Tablecover.

Woman's Work.

334. **Whitehead, Mrs., Ramsgate.** Tea cloth; d'oyley.

334a. **Winks, Mrs. Foulkes, Brixton.** Chemise, lace top.

335. **Woodward, Miss E. C., London.** Worked bible cover.

Nursing.

President: Mrs. Bedford Fenwick.

Lady Jeune, Mrs. Priestley, Miss Emily Shaw-Lefevre, Miss Isla Stewart, Miss K. Hendie Close, Miss de Pledge, Mrs. Cheadle, Miss S. Cartwright, Mrs. Walter Lakin, Miss Edith Kirwan-Ward, Miss Annesley Kenealy and Mrs. Holmes Spicer.

335a. Autograph portrait of Her Majesty, the Queen, patron of Queen Victoria's Jubilee Institute for Nurses; portrait of H. R. H. the late Grand Duchess of Hesse, Princess Alice of Great Britain and Ireland; portraits of H. R. H. Princess Christian of Schleswig-Holstein, Princess Helena of Great Britain and Ireland, President of the Royal British Nurses' Association.

336. Padded splints; bandages; surgical dressings and appliances; items of comfort for the sick.

336a. Hygienic clothing; dietary service for the sick; nurses' uniforms, caps and bonnets; gallery of celebrated nurses; medals, badges and decorations awarded to nurses; certificates of British nurse-training schools; nursing library.

337. Bust of H. R. H. Princess Christian, President of the Royal British Nurses' Association; bust of Rohere, founder of Saint Bartholomew's Hospital, A. D. 1122; statue and personal effects of Sister Dora; invalid appliances and furniture designed by nurses; models of medical and surgical treatment designed by Sister Marion, Homœopathic Hospital, M. R. B. N. A.; model of Leper Colony, Yakoutsk; models of the Pridgin-Teale for excluding dust from rooms, cupboards, etc.

Philanthropy.

President: Baroness Burdette-Coutts.

Countess of Harrowby, Mrs. Boyd Carpenter, Mrs. Holmes White, Miss Ellen E. White and Miss Mary Steer.

337a. Papers on the Philanthropic Work of Women for Reading at the Philanthropic Congress.

338. Type-written Reports on the Philanthropic Work of Women, classified under the following subject-headings: Childhood; Girlhood; Women; Help for Poor Ladies; Home Mission Work; Amelioration of the Condition of the Working Classes; Women as Poor Law Guardians; Working Guilds and Work Societies; Blind, Deaf and Dumb, and Care of the Helpless; Nursing; Work among British Soldiers and Sailors; Technical and Other Educational Work; Philanthropic Work of Women in Ireland, and Philanthropic Work in the Colonies and Abroad.

Models and Specimens of Handicraft Work.

338a. Model of a children's holiday home and a creche connected with the Ragged School Union; model of a window and a London cabman's shelter decorated with flowers from the London Flower Girls' Mission; beaten brass letter box and tray from Miss Wingfield-Digby's brass-work class, Bournemouth; carved wood letter box from the Hon. Odeyne de Grey's Ratcliffe carving class, London; iron kettle stand, lamp, hinge, bracket and candlestick from Miss Maude's village ironwork class, Curry Rivel, Somerset; artificial flowers from the London Flower Girls' Mission, and carved wood platter and work basket from Miss Fergusson's industrial classes, West Linton, Scotland.

339. Specimens of work from the following Industrial Institutions affiliated to the Society for Promoting Female Welfare: Alford Needlework Association; Portman Chapel Work Society; West Holme Inebriates' Home, Hounslow; Halstead Industrial Home; Digby Institute, Bournemouth; the Cripples' Home and Industrial School for Girls, London; the Cripples' Nursery, London; Italian Protestant Orphanage, Florence; Indigent Blind Visiting Society, London; Industrial Home for Girls, London; South Grove Home School, Tunbridge Wells; Chinese Bible Mission to Women and Children; Epsom Mission Room Work Society; and Illuminated Text Mission.

Irish Industries.

339a. Design in Mrs. O'Brien's Limerick black silk lace for a fan; sent by Mrs. Rogers of Sevenoaks.

340. Handkerchief case from Mrs. Vesey's Dunleckney cottage industry.

340a. Embroidered apron, pinafore and cushion from Mrs. Bagwell's Marlfield cottage industry.

341. D'oyleys and table covers from Mrs. Ponsonby's Garry Hill girls' class.

341a. Work from Miss Stewart's knitting and embroidery class, Ballyardle.

342. Specimens of the peasant knitting industry at Carna.

342a. Specimens of grey serge, natural wool and Irish flannel from Mrs. Bernard's Providence Technical Woolen Manufactory, Foxford.

Lace, Embroidery and Needlework.

343. Work done by blind children.
344. Specimens of stitches worked at the Sister's House, Fairfield, near Manchester.
345. Specimens of lace from the Association for the Encouragement and Improvement of Handmade Pillow Lace for the counties of Northampton, Buckingham and Bedford.
346. Satin embroidery from Miss Ensor, Norwich.
347. Knitted hosiery from St. Chad's Home for Waifs and Strays, Leeds.
348. Patchwork quilt from Miss Fergusson's industrial classes, West Linton, Scotland.
349. Stockings from Miss Steer's Bridge of Hope, London.
350. Work from London Soho Club for Working Girls, banner by Agnes Robertson, a worker at Crosse & Blackwell's jam factory, samples of art needlework stitches by Harriet Alcock, a clerk; sent by the Honble. Maude Stanley.
351. Specimens of work from the Ragged School Union.

Pictures and Photographs.

352. Photographs of Gordon Hall, Mildmay Boarding House, Deaconess House and Missionary Training Institute at Liverpool; sent by Mrs. Stephen Menzies.
353. Photograph of Mrs. Ponsonby and of her girls' class, Garry Hill.
354. Photographs of Halstead Industrial School; sent by Miss Greenwood.
355. Photograph of the Meath Home for Epileptics.
356. Photographs of Miss Steer's Bridge of Hope, East London.
357. Grants, doles and charities in the county of Norfolk, illustrated with engravings of churches, etc., from Miss Ensor, Norwich.
358. Sketch of a lace-maker in the village of Pitsford, Northamptonshire.
359. Sketches illustrating the work in India of the Marchioness of Dufferin and Ava.
360. Pictures by students of the Art Students' Home, Brunswick Square, London.
361. First Conviction under Martin's Acts ("The Animals' Charter"); from the R. S. P. C. A.

Maps.

362. Map of London, showing the districts in which common lodging houses are situated. From the Lodging House Mission.
363. Map of London, showing the dining-rooms supplying dinners for poor children in connection with the Destitute Children's Dinner Society.

Books.

364. Year Book (1892) of Church of England in the Diocese of Adelaide.
365. Aldershot, a record of Mrs. Daniell's work among the soldiers.
366. Associated Workers' League, 1892.
367. Biblewomen and Nurses, a record of the work of the London Bible and Domestic Female Mission.
368. Elizabeth Gilbert, and her work for the Blind, by Frances Martin.
369. Our Blue Jackets, a narrative of Miss Weston's life and work among our sailors, by Sophia G. Wintz.
370. Catholic Directory; Ecclesiastical Register and Almanac for 1892.
371. Church of England Year Book for 1892.
372. Countess of Huntingdon and her connection, by Rev. J. G. Figgis.
373. English Women and their work in Queen Victoria's reign, 1857–1887, by Miss Hubbard.
374. English Women's Year Book and Directory.
375. Extracts from Minutes of Proceedings of Yearly Meeting of Friends, 1891.
376. Friends' First Day School Association, 1891.
377. Friends' Foreign Mission Association, 1891.
378. Friends' Report of the Home Mission Committee to the Yearly Meeting, 1891, and Report of Addresses at Meeting at Devonshire House, 1891.
379. Friends' Syrian Mission, 1892.
380. Girls' Friendly Society; Associates' List, 1892.
381. What to do With Our Girls, by A.T. Vanderbilt.
382. Work of Private Persons and Societies. under the Neglected Children's Act, 1890, for the years 1890-1891, in Melbourne.
383. Moravian Church Book.
384. New South Wales Statistical Register for 1891 and previous years.
385. Nurses' Directory for 1892.
386. Poor Sisters of Nazareth, Hammersmith, by Alice Meynell.
387. Ladies' Sanitary Association, six vols.
388. Mrs. Spurgeon's Book Fund and its Work, three vols., 1887, 1889, 1890.
389. Victoria Charitable Institution's Report of the Royal Commission 1891; De-

partment for Neglected Children and Reformatory Schools, 1890, by the Secretary.

390. Papers read at a Conference convened by the Liverpool Ladies' Union of Workers among Women and Girls, 1891.

IRELAND.

In Conjunction with the Irish Industries Association.

President: Countess of Aberdeen.

391. **Cappoquin, Miss Keane's Industry.** Reticella and raised point lace.
392. **Carrickmacross Industry.** Bridal dress, veil, fan and handkerchief.
393. **Clones Lace-making District.** Crochet work.
394. **Connermara Peasant Woman.** Embroidered baby's robe.
395. **Dublin, Cabra Convent Industry.** Lace bridal set.
396. **Dublin, Gold Bridge Convent Industry.** Tambour lace alb.
397. **Garryhill Cottage Industry.** Embroidered tea-cloths.
398. **Innishmacsaint Lace Industry.** Raised needlepoint lace.
399. **Irish Distressed Ladies' Fund.** Embroidered vestments.
400. **Kenmare, Convent of Poor Clares.** Flouncing; embroidered vestments.
401. **Kinsale, Convent of Mercy.** Flouncing; bordering; handkerchiefs.
402. **Limerick, Convent of Good Shepherd.** Tambour lace alb.
403. **Limerick Lace-making School.** Lace scarfs.
404. **Limerick, Mrs. Vere O'Brien's Industry.** Tambour lace work.
405. **Newry, Convent of Mercy.** Tambour lace alb.
406. **New Ross, Carmelite Convent.** Flouncing, crochet and Jesuit-point.
407. **Parsonstown, St. John's Industry.** Point lace flounce, fan and handkerchief.
408. **Royal School of Art Embroidery.** Embroidered vestments.
409. **Turbotstown Cottage Industry.** Embroidered linen quilt.
410. **Youghall, Presentation Convent.** Needle-point flouncing.

SCOTLAND.

In Conjunction with the Scottish Home Industries Association.

President: Countess of Aberdeen.
Secretaries: Miss Munro Ferguson and Miss Meta Donald.

Arts.

411. **Anderson, Miss, Mauchlin.** Bent iron work mirror.
412. **Butcher, Mrs., Edinburgh.** Inlaid box.
413. **Dempster, Miss, Sterling.** Inlaid blotter.
414. **Ferguson, Mrs. Munro, Novar, N. B.** Design for fan.
415. **Gillan, Miss E., Ayr.** Hand-painted tea set.
416. **Graham, Miss, Crieff, N. B.** Case of filigree work.
417. **Hamilton, Mrs. Vereker, London.** Bronze medallions.
418. **Harvey, Misses, Tain, N. B.** Carved table, clock case and bellows.
419. **Perman, Miss, Glasgow.** Draught screen.
420. **School of Domestic Economy, Edinburgh.** Specimen diploma, etc.
421. **Thompson Anstruther, Miss, Colinsburgh, N. B.** Arab frieze.
422. **Traquair, Mrs., Edinburgh.** Photographs of illuminated vellum manuscript of Tennyson's "In Memoriam," and two of Mrs. Browning's sonnets illuminated.
423. **Tytler, Miss Fraser, Milton Bridge, N. B.** Statuette, "A mud-lark;" tracings of ships' plans.
424. **Warrack, Miss, London.** Brass tray.

Embroideries.

425. **Gillan, Mrs., Ayr.** Wall panel; table cover.
426. **Gillan, Misses, Ayr.** Drapery; bedspread; cushion; cot cover; mantel border.
427. **Haddo School of Needlework.** Embroidered peacock.
428. **Houston, Women of** (Manageress, the Lady Anne Spiers, Houston House, Renfrewshire). Houston embroidery.
429. **Royal Repository for Gentlewomen's Work, Edinburgh.** Specimens of work.

Old Embroideries.

430. **Lent by the Countess of Aberdeen.** Embroidery, worked by Anne, Countess of Aberdeen, 1740.
431. **Lent by Mrs. Morrison Duncan, of Norton.** Portion of ancient hanging in green velvet, embroidered with raised needlework design, a style specially used in Scotland during the latter Stuart reigns; specimens of old muslin curtain border embroidered by Mrs. Catherine Mackenzie, and old ruffle needlework, as worn on last century dresses; fragment of old Scottish drawing-room coverings embroidered early this century on homespun linen, with specimens of the woolen and flax threads used; ancient pocket-book,

worked with green and gold threads on canvas in one of the old Scottish book-cover stitches; Scottish screen, embroidered early this century with the Nicholson arms; bags of Fair Isle knitting and two Spanish bags bought in Valencia market-place, to show similarity; scarf in Scottish needle lace, date early this century, and framed piece of old style embroidery executed in colored threads on linen.

432. **Lent by the Countess of Strathmore, Glamis Castle, N. B.** Embroidery from the bed of Patrick, Earl of Kinghorn, worked with his arms, about the year 1606.

Home Industries.

433. **Ayrshire School of Art and Women's Industries** (Manageress, Hon. Mrs. Vernon, Ayr). Portiere; screens and embroidery.
434. **Aberdeen, Women of.** Knitted gloves.
435. **Gairloch, Women of** (Manageress, Lady Mackenzie, of Gairloch, N. B.). Hand-knitted stockings.
436. **Harris, Women of** (Manageress, Lady Scott, North Harris). Homespun and woven tweeds; spinning wheel.
437. **Shetland, Women of** (Manageress, Mrs. Lyell, Kinordy, Kirriemuir, N. B). Specimens of knitting.
438. **Stevenson, Miss.** Knitted gloves; Victoria tartan.

Lace.

439. **Greig, Mrs., Aberdeen.** Pitsligo lace handkerchief; lace.

WALES.

President: Lady Aberdare.
Hon. Secretary: Miss Adeane.

Women's Industries from North Wales.

440. **Adeane, Miss, Holyhead.** Lay figure dressed in the national costume of North Wales, Welsh costume with high hat, Welsh aprons, various colors; Anglesey spinning wheels, specimens of homespun flax and wool and silk and wool fabrics.
441. **Anglesey, Women of.** Hand-knitted stockings.
442. **Denbigh, School child of.** Sample of marking as done in a Welsh school.
443. **Home Art Center, Holyhead.** Bed coverlet by M. Elliott.
444. Curtain, reproduced from seventeenth century four-post bed, by C. Lewis.
445. Sampler of stitches used in old embroidery, sheet and pillow cases, by E. Elliott.
446. Mirror from original, Henry VIII's time, by K. Sharpe.
447. Silver-backed brush by P. Crosse.
448. Hand glass by A. M. Edwards.
449. Copper tray and leather blotting-book by E. Edwards.
450. **Owen, E. Tycroes.** Spinning wheel.
451. **Parry, Catherine, Presadfed.** Welsh wigs, as worn by old people in Wales.
452. **Williams, Jane, Aberfraw.** Baskets made of grass grown on Newborough Sands.

Women's Industries from South Wales.

453. Hand-loom for flannel weaving as done by women in South Wales, lent by Parry and Rock.
454. Samples of Welsh flannels made by women.
455. Spinning wheel for wool, sent by Lady Llewelyn.
456. Dressed figure in costume of Swansea cockle woman, sent by Lady Llewelyn.
457. Welsh coverlids quilted by women in their own homes.
458. Hand-knitted stockings.
459. Machine-made stockings and Welsh flannels woven by women in Parry and Rock's woolen factories.

PORTRAITS OF EMINENT BRITISH WOMEN.

In Medieval Period.

460. **St. Eadgitha, or Edith, of Wilton.** Daughter of King Edgar, died 984. Pen and ink drawing of effigy from seal of Wilton Abbey.
461. **Devorguilla of Baliol.** Founder of Baliol College, Oxford, died 1267. Pen and ink drawing of effigy from seal attached to the statues of the college.
462. **Ela, Countess of Salisbury.** Wife of William Longespe, lived 1188–1261; Abbess of Lacock, 1240–1258. Pen and ink drawing of effigy from seal used by her when filling office of High Sheriff of Wiltshire after husband's death.
463. **Eva de Braose.** Died 1246. Lithograph from monument in St. Mary's Church, Abergavenny.
464. **Eva de Cantilupe, Baroness of Abergavenny.** Died 1257. Lithograph from monument in St. Mary's Church, Abergavenny.
465. **Elizabeth of Clare, Countess of Ulster.** Founder of Clare College, Cambridge, died 1340. Engraving.
466. **Mary de St. Paul, Countess of Pembroke.** Founder of Pembroke College, died 1377. Pen and ink drawing after

painting at Cambridge; also one after an old illumination.

467. **Margaret of Anjou.** Wife of Henry VI, founder of Queen's College, Cambridge, died 1482. Pen and ink drawing after an old illumination.

468. **Margaret Beaufort, Countess of Richmond and Derby.** Mother of Henry VIII, founder of Christ's College, Cambridge, lived 1441–1509. Engraving from picture in collection of the Earl of Derby.

469. **Frances Sydney.** Founder of Sydney College, Cambridge, died 1588. Engraving after a picture in the College.

470. **Juliana Berners.** Prioress of Sopwell, near St. Albans, elected about 1480. Engraving.

471. **Elizabeth Hervey.** Abbess of Elstow, Bedfordshire, elected about 1520. From monumental brass.

472. **Agnes Jordan.** Abbess of Syon, elected 1534. From monumental brass.

473. **Esther Inglis.** Flourished toward close of sixteenth century. From MS. of the Proverbs of Solomon, at the Bodleian Library, Oxford.

474. **Dorothy Wadham.** Founder of Wadham College, Oxford, died 1618, aged 84. Pen and ink sketch after prints in British Museum.

In Tudor Period.

475. **Queen Mary.** Lived 1515-1558. Engraving after Sir Antonio More.

476. **Queen Elizabeth.** Lived 1533-1603. Engraving.

477. **Mary, Queen of Scots.** Engraving after picture in St. James' Palace.

478. **Jane Seymour.** Engraving after Holbein.

479. **Anne Boleyn.** Engraving after Holbein.

480. **Catherine Parr.** Engraving after Holbein.

481. **Margaret Roper.** Daughter of Sir Thomas More, the Chancellor, lived 1508–1544. Engraving.

482. **Anne Askew.** Lived 1521–1546, burned at the stake in Smithfield, July 16, 1546. Photograph of picture in possession of Sir Richard Cholmondeley.

483. **Jane Heddington (Mrs. Cecil).** Mother of the great Lord Burleigh. Photograph from picture in possession of the Marquis of Salisbury.

484. **Mildred Coke (Lady Burleigh).** Daughter of Sir Anthony Coke, lived 1526–1589. Photograph from picture in possession of the Marquis of Salisbury.

485. **Lady Jane Grey.** Lived 1537–1554. Engraving.

486. **Mary Sidney.** Countess of Pembroke. Sister of Sir Philip Sidney, lived about 1550–1621. Engraving after picture of Mark Gerard's.

487. **Lady Arabella Stuart.** Lived 1575–1615. Engraving after Van Somer.

In Civil Wars.

488. **Elizabeth Steward (Mrs. Cromwell).** Mother of Oliver Cromwell, died 1654. Engraving after an old picture.

489. **Anne Clifford, Countess of Dorset, Montgomery and Pembroke.** Hereditary High Sheriff of Westminster, lived 1589–1675. Engraving from picture in collection of the Duke of Dorset.

490. **Charlotte de la Tremouille.** Wife of Sir James Stanley, Earl of Derby, died 1663. Engraving after Vandyke of the Earl, the Countess and her son.

491. **Jane Lane.** Afterward Lady Fisher, died September 9, 1689. Photograph from picture.

492. **Flora Macdonald.** Died 1790. Engraving after portrait by Alan Ramsay.

493. **Lady Fanshawe.** Lived 1625-1680. Photograph from picture by Sir Peter Lely.

494. **Mrs. Lucy Hutchinson.** Wife of Colonel Hutchinson. Engraving.

495. **Lady Rachael Wriothesley.** Wife of Lord William Russell, daughter of Sir Thomas Wriothesley, Earl of Southampton, lived 1636–1723. Engraving after picture at Woburn Abbey.

In Early Half of Sixteenth Century.

496. **Queen Mary.** Lived 1662–1694. Engraving after Sir Godfrey Kneller.

497. **Queen Anne.** Lived 1665-1714. Engraving after Sir Godfrey Kneller.

498. **Sarah Jennings, Duchess of Marlborough.** Lived 1660-1744. Engraving after Sir Godfrey Kneller.

499. **Margaret Lucas, Duchess of Newcastle.** Died 1673. Daughter of Sir Charles Lucas. Engraving.

500. **Mrs. Pope.** Mother of the poet. Etching from a drawing at Strawberry Hill.

501. **Anne Donne (Mrs. Cowper).** Mother of the poet, died 1737. Etching by Blake.

502. **Elizabeth Rowe.** Writer of religious works. Lived 1674-1735. Engraving.

503. **Mrs. Wesley.** Mother of John and Charles Wesley.

504. **Selina, Lady Huntingdon.** Lived 1707-1791. Engraving.

505. **Elizabeth Carter.** Lived 1717-1806. Engraving after Sir Thomas Lawrence.

Woman's Work.

506. **Lady Mary Wortley Montague.** Lived 1720-1800. Engraving.
507. **Mrs. Montague.** Lived 1729-1800. Engraving.
508. **Mrs. Chapone.** Lived 1727-1801. Engraving.
509. **Hannah More.** Lived 1745-1833. Engraving.

Pioneers in Philanthropy and General Advancement of Women.

510. **Elizabeth Fry.** Lived 1780-1845. Photograph from picture by Richmond.
511. **Hannah More.** Lived 1745-1833. Engraving from portrait by Pickersgill in National Portrait Gallery.
512. **Mary Wolstonecraft Godwin.** Lived 1759-1797. Photogravure after Opie.
513. **Lydia Ernestine Becker.** Lived 1827-1890. Photograph.
514. **Millicent Garrett Fawcett.** Photogravure.
515. **Mary Carpenter.** Lived 1807-1877. Pen and ink sketch from photograph.
516. **Mrs. Nassau Senior.** Lived 1829-1877. Photograph from portrait by Watts.
517. **Florence Nightingale.**
518. **Sister Dora.** Lived 1832-1878. Photograph of statue at Walsall.
519. **Dr. Elizabeth Blackwell.** Photograph.
520. **Dr. Elizabeth Garrett-Anderson.** Photograph.
521. **Caroline Chisholm.** Lived 1810-1877. Woodcut.
522. **Miss Marsh.** Photograph.
523. **Miss F. A. Robinson.** Photograph.
524. **Miss Weston.** Photograph.
525. **Mrs. Ranyard.** Photograph.
526. **Mrs. Meredith.** Photograph.
527. **Mrs. Josephine Butler.** Photograph.
528. **Mrs. P. A. Taylor.** Photograph.
529. **Miss Rosamond Davenport Hill.** Photograph.
530. **Miss Florence Davenport Hill.** Photograph.
531. **Mrs. Ashworth Hallett.** Photograph.
532. **Miss Caroline Ashurst Biggs.** Died 1889. Photograph.
533. **Mrs. Priscilla Bright McLaren.** Photograph.
534. **Miss Isabella M. S. Tod.** Photograph.
535. **Mrs. Anna Haslam.** Photograph.
536. **Miss Flora Stevenson.** Photograph.

Pioneers in Education.

537. **Lady Stanley of Alderley.** Photograph.
538. **Barbara Leigh Smith (Madam Bodichon).** Died July 11, 1891. Photograph from painting by Miss Osborn, at Girton College.
539. **Miss Emily Davies.** Photograph from portrait at Girton College.
540. **Miss Anne Jane Clough.** First principal of Newnham College. Lived 1820–1892. Photograph from portrait by Shannon, at the college.
541. **Eleanor Mildred Balfour (Mrs. Henry Sidgwick).** Principal of Newnham College. Photographed from portrait by Shannon, at the college.
542. **Mrs. Jellicoe.** Founderand first principal of Alexandra College, Dublin. Died 1880. Photograph.
543. **Mrs. Wm. Grey and Miss Shirreff.** Founders of National Union for Education of Women. Photographs.
544. **Miss Wordsworth.** Principal of Lady Margaret Hall, Oxford. Photograph.
545. **Miss Beale.** Founder and principal of Cheltenham Ladies' College. Photograph.
546. **Miss Buss.** Founder and principal of North London Collegiate School. Photograph.
547. **Mrs. Byers.** Founder and principal of Victoria College, Belfast. Photograph.
548. **Mrs. John Elder.** Founder of Queen Margaret College, Glasgow. Woodcut.
549. **Philippa Fawcett.** "Above the Senior Wrangler," July, 1890. Photogravure.

Central Group.

550. **H. M. Queen Victoria.** 1887.
551. **H. M. Queen Victoria.** 1837.
552. **H. M. Queen Victoria as Princess Victoria.** 1832.
553. **H. M. Queen Victoria as Princess Victoria.** 1829.
554. **The Empress Frederick.** Engraving after Winterbottom in 1858.
555. **The Princess Alice.** Engraving, 1860.
556. **The Princess Christian.** Engraving.

In Science, History, Etc.

557. **Anna Brownell Murphy (Mrs. Jameson).** Lived 1794–1861. Photograph from bust by Gibson, in National Portrait Gallery.
558. **Mary Fairfax (Mrs. Somerville).** Lived 1780–1872. Engraving after portrait in National Portrait Gallery.
559. **The Marchioness of Salisbury.** Photograph.
560. **The Marchioness of Dufferin and Ava.** Photogravure.
561. **Harriett Martineau.** Lived 1802–1876. Engraving after portrait by Margaret Gillies.
562. **Frances Power Cobbe.** Photograph.
563. **Anna Swanwick.** Photograph.

Woman's Work.

564. **Agnes Strickland.** Lived 1897–1874. Engraving after portrait in National Portrait Gallery.
565. **Catherine Winkworth.** Died 1878. Photograph.
566. **Susanna Winkworth.** Died 1885. Photograph.
567. **Amelia Blandford Edwards.** Died 1892. Photograph.
568. **Matilda Betham Edwards.** Photograph.
569. **Jane Harrison.** Photograph.
570. **Miss Ormerod.** Photograph.

In General Literature.

571. **Mrs. Howitt.** Lived 1805–1885. Engraving.
572. **Mrs. Piozzi.** Lived 1769–1852.
573. **Joanna Baillie.** Lived 1762–1851.
574. **Anne Taylor (Mrs. Gilbert).** Lived 1782–1866. Jane Taylor. Lived 1783–1823. Photograph.
575. **Mary Lamb.** Lived 1765–1847. Photograph.
576. **Mary Granville (Mrs. Delaney).** Lived 1700–1788. From painting at Hampton Court.
577. **Mrs. Trimmer.** Lived 1741–1810. Engraving.
578. **Mrs. Barbauld.** Lived 1743–1825. Engraving.
579. **Mrs. Opie.** Lived 1769–1853.
580. **Miss Mitford.** Lived 1786–1854. Woodcut.
581. **Mrs. Hofland.** Lived 1770–1844. Engraving.
582. **Mrs. Grant of Laggan.** Lived 1753–1838. Engraving.
583. **Jane Welsh (Mrs. Carlyle).** Died 1866. Photogravure.

In Poetry.

584. **Elizabeth Barrett (Mrs. Browning).** Lived 1809–1861. Photograph after picture by Mrs. Bridell Fox.
585. **Adelaide Anne Procter.** Lived 1825–1864. Photograph.
586. **Christina Rossetti.**
587. **Jean Ingelow.** Woodcut.
588. **Felicia Browne (Mrs. Hemans).** Lived 1794–1884. Engraving after miniature.
589. **Letitia Elizabeth Landon ("L. E. L.").** Lived 1802–1839. Engraving after Maclise.
590. **Mrs. Tighe.** Lived 1773–1810. Engraving after Bonney by Caroline Watson.

In Fiction.

591. **Maria Edgworth.** Lived 1767–1849. Engraving.
592. **Jane Austen.** Lived 1775–1817. Engraving.
593. **Fanny Burney (Madam d'Arblay).** Lived 1752–1840.
594. **Jane Porter.** Lived 1776–1856. Engraving.
595. **Mrs. Gore.** Lived 1799–1861. Engraving.
596. **Mrs. Trollope.** Lived 1790–1863. Woodcut.
597. **Sidney Owenson, Lady Morgan.** Lived 1788–1859. Photograph.
598. **The Honorable Mrs. Norton.** Lived 1807–1877. Engraving.
599. **Elizabeth Hamilton.** Died 1816. Engraving after Raeburn.
600. **Charlotte Bronte.** Lived 1816-1855. Photograph from picture by Richmond.
601. **Mrs. Gaskell.** Lived 1810-1865. Photograph from portrait by Richmond.
602. **"George Eliot."** Lived 1819-1880. Photograph.
603. **Mrs. Oliphant.** Photograph.
604. **Anne Thackeray (Mrs. Richmond Ritchie).** Photograph.
605. **Charlotte Yonge.** Photograph.
606. **Dinah Muloch (Mrs. Craik).** Died 1887. Photograph.
607. **Jessie Fothergill.** Died 1891. Photograph.
608. **Mrs. Humphrey Ward.** Photograph.
609. **Mrs. W. K. Clifford.**
610. **"Edna Lyall."**

In Drama and Music.

611. **Mrs. Siddons.** Lived 1755-1831. Engraving after Sir Joshua Reynolds—as "Tragic Muse."
612. **Fanny Kemble (Mrs. Butler).** Died 1893. Engraving after Sir Thomas Lawrence.
613. **Mrs. Kendall.**
614. **Ellen Terry.** Photograph.
615. **Rosalind Frances Ellicott.** Photograph.
616. **Clara Augusta Macirone.** Photograph.
617. **Mrs. Julian Marshall.** Photograph.
618. **Oliveria Prescott, A. R. A. M.** Photograph.
619. **Maude Valerie White.** Photograph.

In Art.

620. **Mary Moser, R. A. (Mrs. Lloyd).** Died 1819.
621. **Angelica Kaufmann, R. A.** Lived 1740-1807. Engraving.
622. **Anne Linwood.** Lived 1756-1845. Engraving.
623. **Mrs. Conway.** Engraving.
624. **Mary Beale.** Lived 1632-1697. Engraving.

Woman's Work.

625. H. R. H. Princess Louise. Engraving.
626. H. R. H. Princess Beatrice. Photograph.
627. Louisa, Marchioness of Waterford. Died 1891.
628. Mrs. Allingham.
629. Lady Butler.
630. Mrs. Julia Cameron.
631. Mrs. Louise Stair Canziani.
632. Miss A. Grant.
633. Miss Mary Grant.
634. Mrs. Marrable.
635. Miss Moody.
636. Mrs. Perugini.
637. Mrs. Jopling Rowe.
638. Mrs. Adrian Stokes.
639. Mrs. Swynnerton.

ITALY.

Models and Representations of Ancient Buildings, etc.

GROUP 168.

1. Finzi, Giuseppe, Venice. Ancient artistic objects.
2. Manfredi-Frattarelli, Antonio, Rome. Ancient marble reservoir.

NORWAY.

Models and Representations of Ancient Vessels, etc.

GROUP 166.

1. Norwegian Commission. Viking ship "Norwegian," an exact reproduction of the vessel exhumed in 1880 from a mound at Gogstad, near Sandefjord, Norway, now preserved in the university at Christiania and known as the Gogstad-ship. In a sepulchre built in the vessel were found human remains, and it is supposed by archæologists that the vessel was buried with its Viking-chief in the mound, about the year 900. The fac-simile sailed from Norway via New York to Chicago, under the command of Capt. Magnus Anderson.

SWEDEN.

Plans, Historic Archæology, Woman's Work, Government Exhibits.

GROUP 159.

1. **Nordenskiold, G., Jr., Stockholm.** Model of an estufa and photographs of cliff dwellings of Colorado. 941

GROUP 165.

2. **Battzer, C. E. L., Gothenburg.** Rock engravings of Bohuslan, Sweden; cartoons, etc.
3. **Beskow, Bernhard, Gothenburg.** Old Scandinavian ornaments; scenes from Viking life; barrow with runic stone.
4. **Booattins, C., Gothenburg.** Models, maps and engravings on Central American archæology.

GROUP 166.

5. **Beskow, Bernhard, Gothenburg.** Viking ship.

GROUP 167.

6. **Nordenskiold, A. E., Stockholm.** Copies of maps and globes of sixteenth century. 951

GROUP 168.

7. **Rosman, Sven, Wisby.** Model of the Church of the Holy Ghost at Wisby.

GROUP 172.

8. **Adelberg, Miss Ottilia, Stockholm.** Original drawings.
9. **Ahlborn, Mrs. Led, Stockholm.** Carved show-case with escutcheons; bronze reliefs; medals.
10. **Ahrberg, Mrs. Ebba, Upsala.** Antimacassars and sofa and chair covers in guipure lace work.
11. **Bergstrom, Miss Therese, Stockholm.** Carved portfolio, renaissance style.
12. **Boberg, Mrs. Anna, Stockholm.** Imitation gobelin decorative painting.
13. **Boklund, Miss Cecilia, Stockholm.** Painted glass window.
14. **Brunsson, Miss Johanna, Stockholm.** Portiere.
15. **Committee of Swedish Ladies, Stockholm.** History and statements of the social position of women in Sweden; statistics of female students at University of Sweden; women's work in schools, public service, trade, industry, hospitals, philanthropy, etc.; works and portraits of female Swedish authors, artists and musicians; album of female art-industry.
16. **Gisberg, Miss Sofia, Stockholm.** Specimen of illuminating.
17. **Handarbetets Vanner, Stockholm.** Hangings, draperies, cushions, tapestries, carpets, screens, counterpanes, embroideries, etc.
18. **Holck, Miss Helene, Stockholm.** Vases of Assyrian and old Scandinavian style.
19. **Ingslotz, Miss Aurord, Wadstena.** Pillow lace.
20. **Kulle, Mrs. Thora, Lund.** Swedish royal arms and counterpane.
21. **Lindgren, Miss Hilda, Gothenburg.** Portrait of H. R. M. the Queen of Sweden.
22. **Lindberg, Miss Lydia, Stockholm.** Portfolio of embossed leather.
23. **Lundin, Hulda, Stockholm.** Articles made by public school children, showing system of teaching needle-work.
24. **Menkow, Miss Gustava, Stockholm.** Portfolio and Bible cover of embossed leather.
25. **Nilsson, Miss Emilie, Wermland.** Linen towels.
26. **Nordquist, Miss Marianne, Stockholm.** Portfolio of embossed leather.
27. **Olsson, Miss Bengtra, Bjerrod.** Gobelin tapestry.
28. **Olsson, Mrs. Cilluf, Kjeflinge.** Linen hangings and table cover.
29. **Pettersson, Mrs. Hilda, Stockholm.** Glass etchings and designs, cups, etc.
30. **Randel, Miss Ch., Wadstena.** Pillow lace and silk embroidery.
31. **Retzius, Mrs. Anna, Stockholm.** Plaster bust of Fredrika Bremer.
32. **Schuberth, Mrs. Mathilda, Elfsjo, Stockholm.** Embroidered handkerchief.
33. **Svensk Konstlojd Utstallning, Stockholm.** Folding screens in Icelandic style.
34. **Wengberg, Miss Clara, Helsingborg.** Lace border for handkerchief.
35. **Widsbeck, Misses Maria and Wastberg, Stockholm.** Psalms in church-text on parchment.
36. **Zickerman, Miss Lilli, Skofde.** Embroidered portiere.

GROUP 173.

37. **Nordiska Musect, Stockholm.** Figures representing peasant costumes; interior of cottage; incidents in peasant life.
38. **Svenska Turistforeningen, Stockholm.** Exhibit showing Swedish nature and culture, development of transportation, money-system, topography, the press, decorative orders, sports, athletics, etc.

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